

1997

HOME NEWS

Plan to ensure that computers have a regard for privacy

By Peter Evans

Home Affairs Correspondent

People should be able to see information about them in computers, check it and have it corrected, a White Paper said yesterday.

It proposes legislation to set up a statutory Data Protection Authority with powers to ensure that computers are used with a proper regard for privacy and safeguards for the personal information they contain.

The White Paper says: "The time has come when those who use computers to handle personal information, however responsible they are, can no longer remain the sole judges of whether their own systems adequately safeguard privacy. The safeguards must become subject to independent scrutiny."

The legislation will also set standards governing the use of computers that handle personal information. As the legislation will take time to enact, the Government is appointing at once a non-statutory Data Protection Committee.

That will prepare the way for the setting up of the permanent machinery, operated by the Data Protection Authority, which will include computer experts and representatives of the public and will cover computers used by both public and private organizations.

The interim protection committee will be asked to advise the Government about the implications of the proposed permanent authority, so that a decision can be made. The two possibilities are given in the report as follows:

1. A registration and licensing agency, able to enforce registration

of relevant details of the personal information systems within its jurisdiction, to prescribe safeguards for them, and to ensure (as a condition of the grant and renewal of licence) that those safeguards could be maintained and operated; and to publish its findings.

The Government's objective will be to make the authority financially self-supporting. The report suggests it might, for example, recoup costs by levying fees and charges.

The report says the existence and purpose of information systems holding personal details in computers should be publicly known, as well as the categories of data they handle, what they do with data, and who is likely to have access to it.

The information should not be used for a purpose other than the one for which it was given or obtained, without either the consent of the person whose information it is, or some other authorized justification. The subject should be able to find out what has been done with the information and to whom it has been given. Information should be kept only for as long as needed.

The White Paper says there would be exemption from the proposed information systems kept for national security and some, at least, of those used by the police against crime.

Computers and Privacy (Command 6333, Stationery Office, 28p). Computers: Safeguards for Privacy (Command 6334, Stationery Office, 55p).

Manager at dockyard convicted of theft

From Our Correspondent

Winchester

Henry Fulthorpe, general manager of Portsmouth naval dockyard, was convicted at Winchester Crown Court yesterday of stealing property worth £575 to furnish his new £12,500 house.

Mr Fulthorpe, aged 59, of Granada Road, Southsea, was convicted on six theft charges and acquitted of three by the jury, which heard evidence from two admirals who gave evidence described Mr Fulthorpe as "the greatest friend the Navy had ever had".

He had less than three weeks to go before retirement. The court was told that his pension and gratuity would not be affected by his conviction.

Mr Fulthorpe, who entertained senior officers, moved into his flat in 1973 after his official residence in the dockyard had been broken into, the court was told. When he moved into the flat dockyard workers helped to make it shipshape.

Mr Fulthorpe ordered his chief joiner to fit made-to-measure carpets in four rooms.

As Mr Fulthorpe walked from the court yesterday the Ministry of Defence was preparing to reduce his gratuity by £575 "to cover the loss of public funds".

Prisoner recaptured

Robert Anthony Fisher, aged 23, who escaped from a working party at Raby Jail, near Bedford, Nottinghamshire, yesterday, was recaptured 40 minutes later after a chase across a golf course.

By Our Defence Correspondent

The number of sailors and marines who left before finishing their engagement more than doubled in five years, from 847 in 1969 to 2,158 last year, an increase of 151%.

Figures for the other Services show a similar, if less dramatic, rise. The Army's went up by 733, from 5,116 to 5,849, and the RAF's by 237, from 951 to 1,188.

The total for the Armed Forces increased by almost a third, from 6,914 to 9,195, but the Ministry of Defence expects this year's figures to be lower. The increase is largely attributed to the Donaldson committee's recommendations, adopted by the Government in late 1970, which made it easier for young men and women to leave the Forces, instead of committing themselves at the age of 15 to long terms of service which they might later regret.

The Armed Forces recognized that this would mean an increase in the "wastage" rates, although they largely accepted the need to reform an archaic system.

The Royal Navy, however, relying on boy entrants for about 70 per cent of recruitment, was given until 1977 to

Teacher pay scales for arbitrators

Three arbitrators appointed by the Advisory Conciliation and Arbitration Service have recommended that educational advisers and psychologists should be paid the same salary scales as teachers.

The arbitrators, who were appointed to settle the pay dispute between the National Association of Educational Advisers and the Department of Education, recommended that the pay of youth service officers and school meal organizers should be linked similarly.

The arbitration board, under Mr David Karmel, QC, was appointed after the Southbury committee, which is responsible for deciding salaries for those "authorities" panel on the committee had refused to accept that the principles of the Houghton report on teachers' pay should apply.

Mr Fred Jarvis, secretary of the officers' panel on the Southbury committee, yesterday welcomed the fact that the arbitrators had in the main supported their case. He said he was disappointed that they had not agreed to apply the Houghton principles to the pay of youth service officers and school meal organizers.

M4 fog prosecutions

Eighteen motorists are to be prosecuted for dangerous driving in thick fog on the M4, Thames Valley Police said.

By Our Social Services Correspondent

Darren Houlahan, aged seven, will be eating sausages for his Christmas dinner. His presents will include secondhand football boots, a football set bought at a jumble sale and a toy lorry, but not the bicycle he wants.

He is one of four sons whom Mrs Jasmin Houlahan, a divorced woman, is bringing up on supplementary benefits and £3 a week from a cleaning job. Mrs Houlahan is one of hundreds of mothers taking part in Saturday's national "day of action" to draw attention to the Christmas plight of one-parent families.

She said yesterday: "Christmas is hell. The children are home for three weeks and I have to provide heat and meals for five."

Mrs Houlahan was speaking at a meeting in London organized by Gingerbread, a poverty pressure group, to introduce Christmas Without, a survey of the kind of Christmas most one-parent families face. The survey covered 68 parents with 156 children and the findings were similar to those of the Finer report on one-parent families.

bring its system progressively into line with those of the other two Services.

In fact, the Army and RAF reported a decline in the number of men seeking voluntary discharge in the first two or three years after the Donaldson report had been adopted.

That may have been because of civilian unemployment, which increased between 1969 and 1972, encouraging young men to settle for the security of their existing jobs. With unemployment once more soaring, that may be one reason why present indications point to a lower total for the voluntary discharge rate in 1975.

The new instrumentation still has to be tested fully in the laboratory and in aircraft before being committed to a satellite. Although it may be five years before it is fully operational, the much fuller picture it will provide should considerably improve the accuracy with which the weather can be predicted.

By Nature-Times News Service

By Nature-Times News Service, 1975.

Science report

Meteorology: More accurate forecasts

Weather forecasting should become more accurate as a result of new means of measuring atmospheric pressure from satellites. The techniques are being developed by scientists at Heriot-Watt University, Edinburgh, and will produce much more detailed pictures on weather maps of such familiar features as troughs of high pressure.

The Physics Department at Heriot-Watt has been extensively involved in measuring the temperature at various levels in the atmosphere with equipment on the Nimbus meteorological research satellite. It is collaborating with the Appleton Laboratory, Slough, to extend the satellite equipment to measure pressure using microwaves reflected from the sea surface.

Sponsors of arts to be mentioned by BBC

By Kenneth Gossling

Commercial and industrial sponsors of arts events broadcast by the BBC will in future have their names mentioned in the programme credits.

That important change in BBC policy comes after criticism of the practice of mentioning sports sponsors, but not referring to those supporting opera and concert performances. It is expected to increase the attractiveness of such sponsorship, on which at least £500,000 a year is spent.

It was welcomed by the Department of Education and Science, which has consistently encouraged commerce and industry to give more support to the arts. Some of those that do are Commercial Union, the Midland Bank, Imperial Tobacco, Sun Life, Pernod, Marks and Spencer. Orchestral tours overseas are being supported financially against loss. Even the opening of the London Symphony Orchestra's new offices this week had the support of whisky, tobacco and food companies.

A document restating BBC policy and practice on the subject carries a foreword by Sir Charles Curran, the director-general, who says the principles outlined in 1955 still hold good. He continues:

Nevertheless, in the intervening years there has been a marked increase in the practice of commercial sponsorship of events regularly broadcast by the BBC, considerable expansion of consumer-advice programmes on both television and radio, the introduction of colour television and local radio, and the relaxation of previous inhibitions about the use of trade names and the names of firms.

Accordingly, I believe that the time has come for a restatement of the BBC's policy and practice which will take account of the changed circumstances and which will be possible to interpret in every part of the BBC's output, television, radio, including external services and local radio, in such a way that what is heard and seen in our programmes reflects a response which is not only consistent but can be seen to be consistent by our audience and by the people with whom we deal in the course of programme-making.

The BBC will in future be willing to broadcast, with appropriate acknowledgments, artistic events supported by commercial sponsors, provided coverage of a particular event is "in the best interests of viewers or listeners and that the event itself would not probably be taken place without having been sponsored".

The decision has taken into account the fact that the permanent advertising around the perimeter of a football ground has become accepted, advertising of this kind, the BBC's notes to staff say, would look out of place at a concert in the Albert Hall.

Any visual display by the sponsor at such an event would have to be less obtrusive in character. Agreement on a limited number of verbal and printed credits would follow the pattern agreed for other events.

It will continue to be the responsibility of programme editors or producers to see that "the somewhat tenuous dividing line" between what is of genuine interest and what is simply a commercial "plug" is not overstepped.

One-parent families face hard Christmas

By Our Social Services Correspondent

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Festive kick-off: Members of Queen's Park Rangers football team, in new colours, handed gifts to young patients in the Hammersmith and Central Middlesex hospitals yesterday. With them is Andrew Harker, aged 17, who spent the summer collecting toys for sick children.

Mr Grimond calls for fewer bureaucrats

By Our Political Staff

The implementation of the proposals for devolution should be accompanied by a big reduction in the country's bureaucracy, Mr Grimond, the former Liberal leader, said in a speech to the Seisdon Group yesterday.

Mr Grimond, MP for Orkney and Shetland, called for a reduction of a quarter in the number of civil servants in central and local government, a ruthless pruning of boards and committees and a sharp reduction in the foreign service.

He said they must not repeat the mistakes of Westminster when assemblies were created at Edinburgh and Cardiff, just adding "a fifth wheel to the overburdened and creaking coach of government".

Mr Grimond argued that there should be a small United Kingdom organization to deal with economic planning, defence and foreign affairs, and a reduction in the number of MPs at Westminster for English purposes.

He also thought the nationalized industries should be broken into Scottish, Welsh and regional organizations, with the introduction of the market of competition, both by way of raising of capital.

He further suggested the removal of housing from the local authorities and the provision of central finance to local government in the shape of block grants which could be spent over any period and for any purpose.

He said the productive workers in the United Kingdom were overburdened by the weight of non-productive bureaucracies. "It is certainly necessary that we strike off the accumulated barnacles which impede our progress, the innumerable committees and boards, the gross overmanning of the nationalized sector, and the constant growth in the number of bureaucracies."

The families averaged £33 a week, less than the average male earnings. They had to choose between food and presents, depending on relatives, or running into debt. One mother told Gingerbread that she was considering putting her child in the care of a relative to ensure they have a real Christmas dinner.

Gingerbread members will send MPs a "black" Christmas card showing the "Ghost of Christmas Future" and asking: "What are you going to do about the Finer report?" Christmas Without (Gingerbread, 9 Poland Street, London W1V 3DG, 10p).

Commandments no longer kept, judge says

From Our Correspondent

Bletchley

Judge Lymbery, QC, the judge in the village awast with crime case, said yesterday that it was a sad fact that many people no longer obeyed the Ten Commandments.

He sentenced two men, the last of 11 who have appeared before him at Bedford Crown Court on charges of receiving and handling stolen property.

Gordon Nicholson, aged 42, a company director, of The Gables, Swinhead, Bedfordshire, was given a nine-month suspended prison sentence and fined £250 after admitting two charges of handling stolen property.

Roger Cave, aged 38, a carpenter of Swinhead, was fined £50 after pleading guilty to two charges of assisting Mr Nicholson to dispose of stolen goods.

Car insurance rates rising

About 160,000 motorists with the Excess Insurance Group face two increases in premiums next year. Rates will rise by 17.5 per cent in January and a further 11 per cent increase is planned in July.

The group estimates that car premiums for the industry as a whole will have to be increased by 22.5 per cent in the next year.

Liquidator closes last chapter in story of 'Scottish Daily News'

From Ronald Faux

Glasgow

The final chapter in the story of the Scottish Daily News closed yesterday when the newspaper's creditors met in Glasgow to be told that financially the enterprise had been a disaster. It had incurred £2.3m in liabilities against an estimated realizable value of £1.2m.

Mr James Whitton, the official liquidator, said the workers cooperative newspaper ceased publication after 162 issues, owing shareholders £1,922,384 and losing £45,000 a week.

An inspection committee of five was appointed to wind up the affairs of the newspaper. It will include Mr Tom Band of the Department of Industry in Glasgow, Mr Ian McColl, former editor of the Daily Express and now chairman of Beaverbrook Newspapers, Scotland, and Mr Alistair Byrnie, chairman of the former works council of the Scottish Daily News.

The Government, through Mr Wedgwood Benn, when he was Secretary of State for Industry,

invested £1.2m in the project, and Beaverbrook Newspapers, a partly secured creditor, is owed £225,000.

Mr Whitton said nothing was left to meet the losses of ordinary creditors, who were owed £1,291,635. He said 395 employees had each taken 100 employee shares at £1, fully paid. Others had taken out £1 ordinary shares in amounts ranging from £25 to £2,000.

Mr Robert Maxwell, the publisher and former chief executive of the newspaper, had invested £114,000. He is also listed as an ordinary creditor for £3,100.

Mr Whitton outlined the story of the Scottish Daily News from the time of its launching on May 5 on the former Beaverbrook presses in Albion Street, Glasgow. Throughout the first week circulation averaged 280,000 but a month later it had fallen to 106,000.

Advertising revenue amounted to 33 per cent of the budget but over the first month of the paper's operation the loss ran at £24,000 a week.

Week's remand for vicar and housekeeper

A vicar and his housekeeper appeared before a court yesterday, charged with bank robbery and burglary. Both were remanded for seven days.

The Rev Stephen Carr, aged 32, a bachelor, Vicar of St Chad's, Whitehall Green, Plymouth, did not ask for bail and was remanded in custody. His Stalla Bunting, aged 25, his housekeeper, who is a widow, was given bail in £200.

They were alleged to have robbed Clifford Platt, manager of Lloyds Bank at Southway, Plymouth, of £1,775 on August 22. The vicar also admitted the burglary of £1,316 of antiques, the property of Patrick O'Brien, from Greylands School, Paignton, on October 10. Their addresses were both given as St Chad's Vicarage.

The items listed in the school burglary charge included silver candlesticks, salt and pepper cellars, napkin rings, a sugar bowl and a teapot. Other items alleged to have been stolen included a porcelain figure, a clock, a claret jug and decanter, and a Victorian christening mug.

Mr Carr was discharged from hospital on Monday. He had been taken there complaining of severe chest pain after being questioned by the police.

Law Report December 16 1975

Breath test required for wrong reason valid

Atkinson v Walker

Before Lord Widgery, Lord Chief Justice, Mr Justice Park and Mr Justice May

A constable who gave a motorist a breath test on a road to provide a breath test specimen which he refused, nevertheless validly arrested him for failing to provide it, because there was an alternative and valid reason for the requirement.

The District Court dismissed an appeal by Raymond Edward Atkinson from conviction by Cumbria justices at Windermere of failing to provide a specimen of alcohol in 100 millilitres of blood. Their Lordships certified that a point of law of general public importance was involved in their decision, namely, "on the face of it, a constable has two alternative grounds for requiring a breath test under section 8(1) of the Road Traffic Act, 1972 but unknown to him the one on which he relies is not available to him, is he still able to rely on the other ground even though he did not require the breath test on that ground?"

In refusing to leave an appeal to the House of Lords, Lord Chief Justice said that the policy in recent months in such cases had been to certify but not to give leave to appeal. He said that the House could decide how many breathalyzer cases they thought they could usefully deal with.

Section 8(1) provides: "A constable may require any person driving a motor vehicle on a road . . . to provide a specimen of breath for a breath test if the constable has reasonable cause—(a) to suspect him of having alcohol in his body, or (b) to suspect him of having committed a traffic offence while the vehicle was in motion."

Mr Arthur Sturtard for the defendant: Mr Geoffrey Davey for the police prosecutor, Robert Waller.

The LORD CHIEF JUSTICE said that, soon after midnight on January 15 last, the defendant drove through temporary traffic

light outside the police station at Windermere when they were at a queue set off in pursuit of a motorist. The defendant, unaware that he was being followed, stopped outside his home, switched off the ignition and lit a cigarette. The constable went up to the defendant, who got out of his vehicle. The constable's first words were that the defendant had gone through the red light, but he smelt alcohol on the defendant's breath and required provision for a breath test specimen, because he had reasonable cause to believe that the defendant had alcohol in his body. The constable said nothing about the specimen being required because of suspecting the commission of a moving traffic offence, in passing the light at red.

The defendant said: "I'm not giving now." He maintained his refusal and was arrested. Subsequently he provided a laboratory test specimen, which revealed an analysis 177 milligrammes of alcohol in 100 millilitres of blood.

The argument was that, as the defendant had refused to provide a specimen, he was not a "person driving". The justices found that he had ceased to be driving, because he had reasonable cause to believe that the defendant had alcohol in his body. The constable said nothing about the specimen being required because of suspecting the commission of a moving traffic offence, in passing the light at red.

The problem is the present instance was: if, on the face of it, the constable had two alternative grounds for calling for a breath test but unknown to him one of them was in fact not available to him, was a breath test validly required when the requirement for it was, in terms, based on the ground which was unavailable?

The authorities showed that, when a constable asked for a breath test specimen under section 8, he was not required to state whether he was asking for it under section 8(1)(a) or under section 8(1)(b). What was essential was that he should require a specimen, making it clear to the suspect that a specimen had to be given. It was

unnecessary to indicate section or describe the grounds or the facts on which the requirement was based. Accordingly, if a case arose in which a constable required a specimen, a failure to state the requirement was an offence under s. 8(1)(b) did exist, and the requirement of a breath test and the arrest were, therefore, lawful.

His Lordship said that, on that reasoning, the justices concluded that the offence had been proved. There was no need to state whether the defendant was asked for a specimen under section 8, he was not required to state whether he was asking for it under section 8(1)(a) or under section 8(1)(b). What was essential was that he should require a specimen, making it clear to the suspect that a specimen had to be given. It was

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By July 26 the accumulated trading loss had reached £244,000 and the cash had fallen to £350,000. On August 18 the paper became a tabloid. The price was maintained at 6p, advertising rates were cut and a £50,000 promotion campaign was launched. "More than 26 million copies were printed for distribution throughout Scotland. In financial terms the enterprise was a disaster," Mr Whitton said.

Mr Whitton described the various attempts to save the newspaper and the unsuccessful talks with government officials, trade unions and other parties to find a buyer. Mr Whitton had no information to give to the meeting about a buyer either for the newspaper or the building and plant.

WEST EUROPE

Mr Peart rejects plan to phase out British beef subsidies by May

Michael Hornsby, Minister of Agriculture, said today that the EEC's special system of market support by mid-1978 was "unacceptable" by Mr Peart, Britain's Minister of Agriculture. If approved, it would wipe out one of the main reasons for the Community's existence.

At a meeting of EEC agriculture ministers in Brussels, Mr Peart said that he was "disappointed" that the British system of various subsidies, which safeguarded incomes by subsidising rather than by subsidising prices, was "still misunderstood and criticised."

European Commission's proposal, which was announced as part of the farm package for the 1976-77 year, would require Britain to phase out the EEC's full support system, whereby it bought up and put into storage when market prices fell below a given level.

Only the EEC's "mountain of surplus beef" stood at 100,000 tons, estimated that together with the intervention price of 100p per lb, the next move by Britain towards the EEC would raise the price of beef to 100p per lb, as much as 20 per cent. Peart said that the EEC's proposal for British beef producers was "an essential safety net" for the Community of operating the British in 1975-76 had amounted to 100p per lb, whereas the intervention price would have been 100p per lb. There had been no distortion of competition in the EEC as of Britain's retention of the intervention price, Mr Peart said. There had been no market which had

benefited Ireland and some other member states, and in addition beef had "been available to consumers at reasonable prices instead of being stockpiled and degraded."

Replying, Mr Pierre Lardinois, the EEC Commissioner responsible for agriculture, said that the variable premium had shown good results in Britain, but he argued that the "market situation" (ie, the price) no longer justified an exception to Common Market rules in one country. This view was supported by the Danish minister.

Mr Peart also demanded a larger Community contribution to the EEC's consumer subsidy on butter, which he described as "a particularly cost-effective method of sustaining demand." His remarks reflected the Government's desire to offset the sharp rise in the butter intervention price near March 1975 from the British transition to the full EEC level by 1978.

Apart from beef, the most contentious element in Mr Lardinois's price package was the proposal to limit price increases for dairy producers to 2 per cent in the spring, with a second rise of 4.5 per cent in the autumn. Mr Mark Clinton, the Irish minister, who represents large dairy interests, said he found it "difficult to speak calmly" about this proposal.

Christian Bonnet, his French colleague, said that the actual price increase for dairy producers in his country would work out over the year at no more than 2.5 per cent, as much of a linked proposal to abolish the compulsory use of skimmed milk powder in border taxes. Such an offer was "absolutely unacceptable," Mr Bonnet declared.

There was general understanding for the proposals for the disposal of the 800,000 tons of surplus skimmed milk powder. But ministers were worried about the implications of subsidising the compulsory use of skimmed milk powder in compound animal feed. It was pointed out that this would put up the cost of feed to pig and poultry producers.

e urged to
ade to wild
convention

Switzerland, Dec 16. The Bern Convention on the Conservation of European Wildlife and Natural Habitats, which was opened for signature today in Bern, is being urged by the President of the World Wildlife Fund, the Prince Regent, to be signed by as many as possible of the heads of state of the 16 countries which have so far signed the convention, came into force on

'Tiny minority'
in attempt to
upset conscripts

From Our Own Correspondent
Paris, Dec 16

Only a "tiny minority" was engaged in trying to demoralise conscripts in the French Army, General Marcel Bigeard, the Secretary of State for Defence, declared today. He was being questioned about the proceedings involving more than 40 soldiers and civilians now accused before the state security court.

General Bigeard estimated that only some 600 conscripts belonged to the 50 or so "soldiers' committees" which the Government is now rooting out. The Government said it was "undeniable" that some members of the socialist Confédération Française Démocratique du Travail were involved, instigating the formation of such committees.

ropean MPs shrink
m budget clash

David Cross, Minister of Finance, said today that the EEC's budget, which now stands at £1,500m, was a "very small" amount after a recent session at the hands of the EEC's Parliament.

When the final vote is taken by the Parliament on Thursday, MPs are likely to increase the budget by a mere £50m. This would be used principally to supplement expenditure on the social fund and on aid to Commonwealth developing countries like India and Pakistan.

During today's debate, Signor Fazio Fabbrini, an Italian Communist, accused member governments of sacrificing social, regional and research programmes, and thereby jeopardising employment. He received some support from Lord Bruce of Donington, the British Labour peer, who called on the assembly to express their dismay at the cuts.

Mr Erhard Jakobsen, a Danish Conservative, speaking for the group, supported the increase of £50m.

inish Premier
ts off visit

Amsterdam, Dec 16.—Anker Jørgensen, the Danish Prime Minister, has postponed his official visit to Egypt because of his recent illness, the Danish Foreign Ministry announced today.

Gaulle letter
ches £1,944

Paris, Dec 16.—A letter from Charles de Gaulle to American officials returning home after the 1974 World War fetched 300 francs (about £1,944) at auction in Paris yesterday, according to the French Press.

ash victims rob
od Samaritan

Levers, Dec 16.—When a Samaritan tried to help a man struggling from a car which had crashed into a ditch near Levers, he was robbed of his car and his life. The Samaritan was killed and the car was set on fire. The police are investigating the robbery.



President Giscard d'Estaing at the opening of the conference yesterday morning.

Dr Kissinger makes plea on oil prices

Continued from page 1

Between \$6 and \$8 a barrel as part of a package of measures, Kissinger studiously avoided referring to the IEA he did point out the role which an international energy institute could play in finding ways of using energy sources more efficiently.

"We see the institute as a first bridge between the massive effort of the industrialized

countries have now launched to develop alternative sources of energy and the effort which the developing countries must now undertake."

Both developed and oil-producing countries would cooperate to use energy more efficiently, to increase their own production and to improve allocation and distribution of existing resources.

Most of the developing

countries and the oil producers will speak tomorrow, and from their reaction to Dr Kissinger's speech and from the prepared statements which they make it will be possible to see whether this conference has got off to a constructive start.

Later this week, probably on Thursday, the session will end with the establishment of four specialist commissions, each with 15 participants.

116 Italian kidnaps in three years

From Our Own Correspondent
Rome, Dec 16

Some 116 people are known to have been kidnapped in Italy in the past three years. It is estimated that at least 80,000m lire (£50m) has been collected in ransoms.

In two new cases police were searching today for a medical student, whose family has modest means, and a businessman, both believed to have been kidnapped.

Of the 116 victims, nine have not been returned to their families. In a period of 40 days this year, 12 people were kidnapped—the total for the whole of 1960.

The Government's proposals

for dealing with kidnapping have hardly stimulated confidence. These include the freezing of bank accounts and other assets of families of victims and the threat to take proceedings against families that establish their own contacts with kidnappers.

This might discourage families from reporting kidnappings. It is already widely supposed that many kidnappings are not reported. It is said that in both Milan and Rome there have been cases of children seized while playing in public parks and immediately brought back when the mother has produced a sum of money immediately available to her.

Between these two extremes of huge ransoms and small losses there are said to be others, substantial but still comparatively modest, paid without publicity.

One effect apart from the demand for private bodyguards is an increase in anti-kidnapping insurance policies and a reduction in premiums.

Technically, it is illegal for Italian companies to provide insurance against kidnappings. Arrangements are apparently made on the London insurance market. According to estimates published today, the London market is collecting about £35m a year on kidnapping premiums.

Cautious greeting for first
hint of Spanish reform

From Our Own Correspondent
Madrid, Dec 16

Opposition groups gave a guarded welcome today to the Government's proposals for democratic reforms. A wait-and-see attitude is being adopted, but there are signs that the Government has begun to carry out the spirit if not the letter of its programme.

Señor Marcelino Camacho, leader of the Workers' Commissions, the illegal trade union movement, was allowed to speak last night in Barcelona about trade unionism and politics, something which would have been unheard of in the recent past. He said: "We are convinced that we are now approaching freedom."

Also near Barcelona, police allowed over 3,000 people to demonstrate outside the Montserrat Abbey calling for an amnesty. Previously these demonstrations have been broken up. Father Louis Xirincachs, a Catalan priest, is on hunger strike inside the abbey with six other people to demand an amnesty.

Another pointer in the direc-

tion of liberalism came when Señor Manuel Fraga Iribarne, the Interior Minister, dined with Professor Enrico Tiziano Galván, the Socialist lawyer and leader of the Popular Socialist Party.

The evening newspaper *Informaciones* asked: "Is the thaw beginning?" Professor Tiziano Galván said of the Government's proposals: "For me this is the first positive sign of the death of Franco."

If the Government can follow the line set out in its programme and do it quickly then we can arrive at a harmony among all people. But I hope it does not fall into the danger of the election last April.

Señor Carlos Xayaz, a spokesman for the mainstream Socialist Party, was not so forthcoming in praise. He said: "There is nothing that has not been expected. Up to now no fundamental decision has shown the desire to dismantle the institutions of the dictatorship. We are very sceptical. There is still no amnesty, no political parties, no free trade unions."

Seat for key commander

Lisbon, Dec 16.—Brigadier Pires Veloso, the northern military commander who played a key role in the defeat of the abortive left-wing revolt last month, was today appointed to the Supreme Revolutionary Council.

He was the only regional commander without a seat on the Council.

A statement issued at the end of a 10-hour Council meeting said that Major Victor Alves, the Minister of Education, as a new member. Major Alves, one of a group of nine moderate officers, had been dropped from the council in a reshuffle in September.

The Council said that it would open contacts tomorrow with the seven political parties which signed a constitutional pact with the military before the election last April. The statement named a five-man commission to revise the pact, which put civilians under military power for the next three to five years.

The Council stated, however, that as signing the pact had been voluntary, the signatories remained bound by it. Observers said that a new pact between the Armed Forces Movement and political parties could be signed early next month. —Agence France-Press.

Italy blocks nuclear fuel project

From Michael Hornsby
Brussels, Dec 16

An ambitious research programme, which if successful could eventually provide the EEC with inexhaustible supplies of cheap fuel, has been blocked because of a dispute over the choice of a site for the construction of a giant experimental plant to produce energy by thermonuclear fusion.

At a meeting of EEC research ministers in Brussels yesterday, Italy refused to join its partners in giving the go-ahead for the programme, which was planned to run for five years from the beginning of next year at a total cost of 615m units of account (about £250m). All other member states were ready to give their approval.

The aim of the research is to develop a new source of energy by fusing light atoms. Conventional nuclear energy is generated by splitting heavy atoms. The basic materials for this new energy are deuterium and tritium, both of which are available in unlimited quantities in seawater.

The Italians, whose refusal last night amounted to a veto, said that they could not agree to the programme as a whole unless a decision was taken at the same time on the site for the experimental thermonuclear plant, known as the Joint European Torus. Ispra, in northern Italy, is one of the main contenders for its siting.

Dr Guido Brunner, the EEC Commissioner for research, told the Council meeting that the Commission would not be ready until the new year to make a formal recommendation on the site for the plant. It is known, however, that the Commission favours Ispra over its main rival, Culham (Oxfordshire) Laboratories of the British Atomic Energy Authority.

In the Commission's view, Ispra would be the best choice on several counts. It is one of the EEC's four joint research centres and would thus be appropriate for a Community project. It also has the necessary electricity supplies, as well as adequate housing and a

European school for research staff and their families. France and West Germany—both possible sites—are lukewarm about Ispra, which has an unhappy history of bureaucratic inertia and staff unrest. Britain shares these reservations, more especially as it considers that Culham has the best claims.

As a strong factor in favour of Culham is that for the past two years a team of European scientists, of whom 40 per cent are British, has been working there on a blueprint for the project. A decision to build the plant at Culham would be a great blow to the laboratory, whose research team is one of the most advanced in matters of nuclear fusion.

The European Commission denies suggestions that Culham may not be chosen because of the British Government's decision to refuse further funding for the international Dragon high-temperature reactor project, situated at Winfrith, Dorset, which several EEC participants, such as West Germany, were keen to continue.

OVERSEAS

Woman tells court she set out deliberately to kill President Ford

San Francisco, Dec 16.—Sara Jane Moore told a Federal court today how she planned to shoot President Ford with the "specific intent" of murdering him.

At a special hearing to decide whether to accept her plea of guilty, Mr Samuel Conti, the district court judge, asked Miss Moore for an account of her actions on September 22, when she fired a shot at Mr Ford as he left an hotel.

"I got up," she said. "I took my son to school. I went over to Danville and purchased a gun. I had seen the day before."

"I went to the San Francisco rule annual, parked to see if anyone would recognize me or not, circled around the hotel. I joined the people waiting for the President and when he came from the hotel, I took a gun from my purse (handbag) and fired a shot at him."

Judge: Did you do it with specific intent to murder the President?—Yes, I did.

Did you intend to change her plea from not guilty to guilty but set today's hearing to determine whether she actually committed the crime and whether she was sane at the time?

Miss Moore told the court yesterday that she had conferred with her lawyer and a priest, the Rev. William O'Donnell, of Berkeley, and remained certain she wanted to plead guilty. "I am at peace with myself," she said.

Miss Moore appeared to indicate that she might have acted alone in contemplating an assassination attempt before September 22.

Were you acting alone or in concert?—As to this specific date in time? I can speak only for that specific date. I was acting alone. No one assisted me.

Did anyone encourage you?—As to that particular time and place, No, Sir.

When the judge said this statement seemed ambiguous, Miss Moore said: "I don't think it seems ambiguous." The judge said he was trying to find out if her action was voluntary and deliberate. She replied: "I was acting voluntarily and of my own free will."

When asked: "Did you intend to shoot President Ford?" she replied: "Yes."

Did you intend to assassinate Mr Ford prior to September 22?—Yes.

Miss Moore explained that she meant that she had planned to shoot Ford but had not tried previously.—AP.

Senator Clark, and the majority leader, Senator Mike Mansfield, fear that American involvement in Angola will repeat the Vietnam experience, and that they are now peering down another tunnel which might not have light at the end of it.

Dr Kissinger, the Secretary of State, argues that the situation is quite different. He maintains that the Russian presence, which he mentions the large contingent of Cuban soldiers fighting for the Marxist group in Angola, is a direct threat to American security.

There is a strong feeling in Congress that the Administration was less than candid in its handling of American arms shipments to Angola. Only two weeks ago, the State Department was asserting that any American arms reaching Angola, which was receiving a certain amount of military aid, all open and above board.

In fact, as the Government now admits, the right-wing *Pravda* newspaper had already received \$25m in American

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Guerrillas withdraw in Lebanon truce

Beirut, Dec 16.—Lebanese guerrillas finally withdrew from Beirut's luxury hotel battleground today under a new truce agreement, police sources said. Right-wing Phalangist gunmen pulled out of the fire-blackened Holiday Inn hotel at 2 pm, as part of the agreement providing for internal security forces to take over the wrecked seaford district.

One Phalangist group had stayed in the 26-storey skyscraper overnight, saying it would remain in case the ceasefire broke down.

Left-wing guerrillas had earlier left two other hotels, the St. George's and the Phoenicia. They also withdrew from the Mour Tower, a huge unfinished tower block, from which they had directed a hail of bullets and rockets at the Phalangist-held Holiday Inn.

Security forces reported some firing between the Christian suburb of Ain al-Rummaneh and the Muslim district of Shiyah, but otherwise the city was quiet. It was possible once again to walk in safety around the shell-battered, abandoned hotels and office blocks on the seaford.

"The ceasefire will stay until they [the leftists] break it," a young Phalangist, who goes by the name of "Big Bear," said in the Holiday Inn earlier.

Other Phalangists thrust hollow bottles of the hotel's whisky at journalists as they toured the building to the accompaniment of pop music playing over loudspeakers.

Much of the ground floor, guarded by a nervous security man behind a sandbag emplacement at the hotel entrance, was awash with water from broken pipes.

The lifts still worked, however, and the damage to the hotel interior seemed to be less than in the St. George's and the Phoenicia, parts of which were gutted completely. Outside, the white walls were blackened from frequent fires and holed from repeated rocket fire.

In the St. George's hotel, which was occupied last week by left-wing forces trying to drive the Phalangists out of the hotel district, about 20 lightly-armed members of the security forces were in position today. The hotel was set on fire several times during last week's fighting and the ground floor was burnt out completely.

On the external front, Mr Rashid Karami, a Prime Minister, said today that Israel harboured "evil designs," no excuses to justify an attack on the country.

He said he had heard an Israeli radio broadcast in English which disclosed an Army plan to "help and rescue the Jews of the Wadi Abu Jamil district in Beirut."

Mr Karami said: "Jews in the Wadi Abu Jamil district have been subjected to no assaults whatsoever, but on the contrary all sides provided them with protection and help. Accordingly, the excuses made by Israel are false. But if its aim is to exploit the situation to carry out an aggression, then we on our part will spare no efforts to defend our sovereignty and dignity." —Reuters.

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Mauritania besieges Saharan rebels

Madrid, Dec 16.—Mauritanian troops are reported to have besieged a small town in Spanish Sahara in the latest round of fighting with the Polisario Front, an Algerian-backed liberation movement.

The Spanish news agency, Cifra, said Mauritania's artillery had been firing at the town of Ghera, in the south of the desert territory, yesterday. The Mauritians had given Polisario forces holding the town 48 hours to allow women and children to leave. The deadline was believed to be due to expire early tomorrow.

About 800 members of the Polisario Front, which is fighting for the independence of Saharan territory, occupied the town last month after it was abandoned by Spanish troops withdrawing from the territory under an agreement between Spain, Morocco and Mauritania. They barricaded themselves inside a

fish meal factory

Review early next year of EEC budget machinery and procedure

giveness to safeguard employment. As a result member states would be able to make the necessary arrangements to support their domestic economies in 1976.

The group would vote against the whole treaty. This was an act of political courage, not of irresponsibility. The rejection of the budget would not lead to European crisis, as the Commission would continue with its work. Outright rejection of the budget was proposed for a frank discussion with the council.

LORD BRUCE OF DONINGTON (United Kingdom, Lab.) said that the council shed considerable fear over the cuts they thought to be necessary in the transfer of funds to the economies of individual member states. But they did not know whether the USA increase under the common market would be proposed by the Commission.

The major amount of expenditure had already been determined and could not be cut because it was one of the most powerful lobbies in the world, the Community. The Commission, the Community, the regional organizations in the European Community, which in Britain included the National Farmers' Union, whose President Sir Henry Plumb, was President of Coga. Coga must not be offended. The Commission would not be strong enough for that. The Parliament would have no impact on the budget. The Commission was too terrified of the inhabitants of the wine chateaux, the large scale farming lobby.

To advise my colleagues (he said) to express their dismay at the budget and express the hope that in 1977, as undoubtedly we shall be, we shall have something which more than meets our hopes and aspirations of the European people.

MR. SYSSON, Commissioner responsible for budgets and financial control, said it was of great significance that the Council of Ministers had agreed with the Parliament that the budget would be earmarked for the social, rural

council had looked with great attention at the proposed increases in the budget and finally agreed to the 90m units of account. They thought that 35m should go for research, 35m to the social fund and 20m for non-associated developing countries. It was only because this year the council felt it had to be more austere that it could not accept further increases

impetus to Community' plans to help the non-associated developing countries like India and Pakistan.

The latest draft of the budget was not as satisfactory as the Commission would have liked since there were still gaps and weaknesses. Nevertheless it was better than once seemed likely, largely thanks to the efforts of the Parliament.

He hoped the final draft of the budget would be adopted and that the remaining differences between the member governments and the assembly could be resolved.

The debate was concluded, voting on the budget will be on Thursday.

School transport difficulty

Mr. M. L. A., Secretary of State for Education (Sheffield, Parks Lab) questioned about school transport proposals, said that because of the difficulty of balancing it was right not to take any steps until he had full consultation with local authorities which were likely to take some considerable time. It might be that they would not find a solution that would be generally acceptable.

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Government majority 25

spokesman on Wednesday night, Chrysler said the issue was not the liquidation of Chrysler in Leyland. He said Leyland would generate out of their earnings half the money needed for the investment. They were said to be making on the moment. Could anybody believe they were going to produce £1,400m of the £2,800m scheme? Was it realized that to achieve the objective they would have to become by far the most successful car company in Europe?

The Chrysler declaration of intent was, he said, amazingly vague. It appeared to be no real commitment and nothing to stop Chrysler from pulling sticks out from under the Government on how the market worked. The seriousness of the declaration of intent was that it appeared how the damage would be done.

MR WILLIAM ROSS, Secretary of State for Scotland (Kilmarnock, Lab.) said he wondered what the Conservative Government had said Chrysler would be liquidated and that the Government were going to do

...ative MPs? Every one of them would have been protesting.

We either have the plan before us (said one) or we accept the fact that nearly 60,000 jobs go directly and indirectly, including 12,000 jobs in Leyland.

The opposition had advocated the liquidation of Chrysler and Mr Heseltine's speech had lacked humanity. If the Government followed the Chrysler declaration of intent, it would be filling the country with foreign cars. The costs involved in the Government's balance of payments compared with what they would have to pay out if the Tories had their way. They ignored the effects on the balance of payments, jobs and business.

The Government had not put Chrysler at the front of the queue. Every other car company had to have to deal with them with humanity and efficiency. He was satisfied they would get the good will of the public without it.

Without it there was no hope.

The motion for the adjournment was rejected by 283 votes to 260—Government majority, 23.

[illegible]

Rules that must be laid down before another referendum is even considered

It used to be accounted a principle of the British constitution that it knew no such thing as a referendum, except for Sunday opening. That left out of account the Northern Ireland border poll of 1973 when the voters were asked whether they wanted to remain part of the United Kingdom or join the Republic of Ireland. But that was widely regarded as an exceptional event, a rather desperate and not altogether satisfactory ploy in an emergency.

It was different with this year's referendum on the EEC. Although the holding of the referendum was bitterly contested, it is now generally considered to have been successful. It resolved the issue as nothing else in prospect could have done; and it provided the endorsement of the electorate for the judgment already delivered by Parliament.

No matter how much it may be said that this was not a precedent, it has in fact become one. It will be no use asserting in any future crisis that Britain does not have referenda. The taboo has been broken. The question now is under what circumstances would it be acceptable to have

a referendum in the future. This is the time before it has become a matter of immediate controversy to consider what the guidelines should be.

A case could be made for a radical change installing the referendum as a regular instrument of British government. It could be maintained that at a time of declining respect for representative authority, what the decisions of government are not automatically accepted, it would be better if the more important policies had a clear expression of popular approval behind them. But that raises all the familiar objections to government by referendum.

Who would choose which issues had to be decided in this way? Would the electorate really be fitted to decide the more complex questions of modern administration by the exercise of that broad common sense that does qualify them to choose between parties at election time? How could the referendum be secured even within the lifetime of one government if the voters were contradictory in their decisions?

It would be wise to be much more restrictive by establishing a convention that a referendum

could be justified only when certain conditions were fulfilled. It should be confined to constitutional questions: voters can appropriately determine the process and the party by which they are governed rather than the precise policies that any government should follow. It should be a question that can be answered by a straight yes or no: one cannot move a reasoned amendment in a referendum. And it should deal with an issue that has become immediately relevant: otherwise it becomes either a glorified public opinion poll or a political trick.

The EEC referendum met all these criteria. Sunday opening? Well, a certain illogicality is itself one of the principles of the British constitution. But what of the future? It is in the context of Scotland that another referendum is now most frequently discussed. There should certainly not be a referendum on full independence for Scotland as part of the process of setting up an Assembly. It would not have become immediately relevant. The critical questions then would be whether to have an Assembly, and if so with what powers.

To attempt to obscure these questions by asking another one would seem, and most probably be, a political trick. It would be conceived as a manoeuvre to weaken the Nationalists by a preemptive strike. That would debate the currency of the referendum and might be dangerous anyway because people sometimes give unexpected answers to questions for which they are not really ready.

The time to ask the Scottish electorate if they wanted full independence would be if the SNP had won a majority either of the Scottish seats at Westminster or in the Assembly. That would make the question immediately relevant. The SNP would interpret either the referendum or a referendum on the subject as giving them a mandate. But before any British government began the theory task of negotiating an independence agreement for Scotland it would have the democratic duty—quite apart from the considerations of self-interest over oil revenues and other matters—to make certain that this was the settled conviction of the Scottish people. One election result, when there may be many more, would not be enough. The best way to test it would be in a referendum.

The only referendum that would be appropriate in the process of setting up the Assembly would be on that question itself. If that were done, the correct course would be for Parliament to pass a Bill subject to approval in a referendum. It would be necessary for the Bill to be passed first so that voters would know precisely what they were being offered. Otherwise there would be people saying it would depend on the decision of the House of Commons. It could be argued that the whole United Kingdom electorate should vote in such a referendum because it is the structure of the United Kingdom that is at stake. But that would be a mistake. The only question that needs to be asked is whether the people of Scotland and Wales do indeed want the Assemblies proposed for them. If a referendum is thought necessary to answer that then there could be no objection of principle, provided it was not used as a delaying device.

It would also be fitting to hold a referendum before changing the electoral system.



The Moscow Philharmonic: Would it survive an exodus of Jewish musicians?

What a Jewish brain-drain would do to the Soviet Union

The spotlight focused on the problems of Soviet Jews seeking to emigrate to Israel stands out over the shadow of the important role Jews continue to play in Soviet society. Numbering about two million, they form less than one per cent of the total population. A total exodus of Jews such as occurred in Poland in the 1936-37 purge in Mexico in 1940, presumably the last Jewish exodus, would be a brain drain out of all proportion to their numbers. In the Soviet Union as elsewhere the Jews are overwhelmingly urban, 97.9 per cent. And the impact of such a departure would be felt mainly in the major cities.

Hardest hit would be the performing arts. The symphony orchestras of Moscow, Leningrad, Kiev, Odessa and other cities would be so depleted they might have to fold, temporarily at least. And it would be a long time before they recovered—if they ever did. Stage and cinema would lose some of their best directors, producers and actors, the media many of their editors, commentators and correspondents. Literature would be impoverished. All branches of science would be affected. The 1970 census gave the number of Jewish scientists as 66,800 or 1 per cent of the total, compared to 661,000 Russians, 66 per cent of the total. The Jews

overthrew the Soviet government, six of the present were Jewish. (Of 1 Urizsky was assassinated in 1918 by a terrorist, Sverdlov died of tuberculosis in 1934, Kamenov, Zinoviev and S. Nikov were sentenced to death in the 1936-37 purge in Mexico in 1940, presumably the last Jewish exodus, would be a brain drain out of all proportion to their numbers. In the Soviet Union as elsewhere the Jews are overwhelmingly urban, 97.9 per cent. And the impact of such a departure would be felt mainly in the major cities.)

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Jews make the most of opportunities to improve their lot

In science include names of world renown, among them several Nobel Prize laureates. Jews are also prominent in medicine and in the teaching profession, especially at university level, as well as in economics and at the managerial and executive levels in industry and wholesale and retail trade. The Jews make the most of existing opportunities to develop their talents and improve their lot, along much the same lines as in open societies. Thus 90 per cent of all adult Jews have been through secondary school, 70 per cent have attended institutions of higher learning. The Jews' educational level is far above the mean level. Thanks to this, and to greater initiative and sobriety, Jewish living standards are substantially higher than average.

The changing status of Jews in the Soviet order of priorities is reflected in the space allotted them in successive editions of the Soviet Encyclopedia. The first edition, volume 1, published in 1927, devoted 153 columns, small type, to Jewish history, culture and literature. The second edition volume, published in 1952, gives the Jews four descriptive columns, space to Jewish culture or literature. The third edition volume, published in 1972, carries ten and one half columns on the Jews and Jewish literature.

When the Bolshevik Party Central Committee met under Lenin on October 10, 1917, to approve plans for the armed uprising that a fortnight later

Bernard Levin

My eyes are dim, I cannot see, whatever will become of me?

I have decided to make away with myself, and am not to be moved from my bed by any cries of the part of my readers, always supposing, of course, that the news is not in any case greeted on all sides with dancing in the streets and the consumption of prodigious quantities of alcohol. I have not yet decided what means of self-ending to employ: a rope suspended from a hook immediately above my desk in my office at The Times—my first thought—would, I am assured, certainly bring down the ceiling and in all probability the entire building, and the Hammer of the Gas Board can hardly put his head in the oven. But a little consequence: what counts is the decision, and on that I am resolved.

I feel that I owe it to the nation to explain this unseasonable resolution on my part. It all began a few months ago. My sight has always been poor, though its imperfections have for all my life been compensated for by my gillamps, and I had long since come to terms with my mother, and no doubt ending with the good soul who will be entrusted in the next few days with the laying-out has endeavoured (without success) to persuade me to change the style of the frames. But of late I had found that reading small print in a poor light was becoming more difficult, and there was an awful moment of truth when I realized, while looking at a map, that the usual method of momentarily solving

‘There was an awful moment of truth when I realized, while looking at a map, that the usual method of bringing the page closer and screwing up the eyes no longer worked at all’

ophthalmologist, a most expert and reassuring man, who had prescribed the specs I had been wearing for some years, and explained my alarm and my reason for it. “That’s right,” he said cheerfully, “I’ve got your eyes, sharply, that me, and he explained it seems that those with subnormal vision can generally manage to carry on with the same glasses—with perhaps one or two changes to slightly more powerful lenses as the years go by—until they approach, as I had, a certain age whereupon an abrupt change (in my case it had been very abrupt indeed) takes place in the condition of the eyes.

The long and short of it is that one lens will no longer suffice for both distant and close vision. And the long and short of the remedy for this state of affairs is, he explained, different lenses for the two functions. “Two pairs of glasses?” I groaned, an end pair and putting on the other opening up before me. “Or bi-focals,” he said. I enquired if these posed problems. “Well, you’d do a good deal of falling downstairs at first,” he replied, “but after a while you’ll find that you’re not falling down stairs but breaking my neck in doing so. For I agreed to the bi-focals, and from the moment I took delivery of them I have endured misery and pain beside which

the face of St Sebastian would seem as nothing but a mild tickling sensation.

I can see nothing; when I want to look into the distance I find myself using the bottom, close-focus part, and when I want to read, I seem condemned to an attempt to do so through the distant section, and the result in both cases is a hideous and impenetrable blur. On top of this, I have a sick headache and a crick in my neck from a mad but uncontrollable attempt to adjust the angle of my face rather than of my eyes; I weep continuously; and my eyes themselves are so sore that all the Opex of Arabia will not wash the pain from this my sight.

The optician who made them told me that most people would take longer than others to get used to them, only one person in 500, attempting to master the art of using bi-focals, fails altogether. I do not know whether I am one of that peculiar band (knowing the luck of the Levins I can well believe I am), and I am past caring. If I am told that perseverance will eventually bring it if it were only a matter of days’ perseverance that was needed, I would still rather be dead than endure so long.

Thus far had I got in my story, when an angel of the Lord came down, and glory came down, and then I saw damned things off to press a cool handkerchief for a few moments to my suppurating and tortured eyes, when they snapped, irreparably, in half, right across the bridge. I flung

Are we really prepared to sacrifice liberty for equality?

When Alexis de Tocqueville visited the United States in 1831 he concluded that democracy faced two threats: anarchy and servitude. With his usual insight he considered that in the future servitude would be the greater threat since democracy would move to too much government and too much uniformity enforced by government. The worship of equality would put so much power in central government that “self-government” would cease.

Any observer of present day Britain would note that there was much talk of equality and social justice and little mention of liberty except from minority groups demanding an equality which were really privileges. It could thus be useful to consider why liberty is the supreme human value.

Liberty is important because all human beings are different and to be different they require considerable freedom of action. The individual will only maximize his happiness and be able fully to serve his community if he is allowed to live

his life in his own way and develop his own talents, initiatives and priorities.

Liberty is also essential for both economic and social advance. The evolutionary process of mankind has been accelerated by millions of men and women making their own decisions and using their own self-correcting mechanisms. The state has no such mechanisms since a few men decide future action and can distort a whole country by their decisions. The USSR, with a third of her population engaged in agriculture on her broad acres, cannot feed her population with grain while the USA, with only five per cent of her population so engaged, can export grain to Russia shows the virtue of private enterprise and initiative.

The libertarian rejects Marxist determinism. To him the future is unforeseeable and unpredictable, and progress is most likely to arise by all people being the innovators and explorers of future development. Too much government

brings stagnation while the evolutionary energies of tens of thousands of citizens trying out their own paths for progress indicate where a better future lies.

Progress also arises from inequality. The rich borrow their colour television sets and created a market which provided cheap colour sets for the mass of the population. The more prosperous nations try out new life styles which inspire hopes of progress among the underdeveloped nations. Drab equality is restrictive of the human spirit and people will be imprisoned in a stagnant society.

It can also be argued that self-government consists in mature men and women having maximum freedom to decide their own lives and not in the right to vote every five years for parties which may not even offer them alternative views of the good society.

A too great emphasis on equality will inevitably lead to totalitarian government. Men and women will only be kept equal if those who wish to excel in different spheres or to explore different ways of life are punished and driven back into the mass. If Joseph once said that if men were made equal at breakfast in a free society, they would be unequal by the evening. An egalitarian government starts by being the guardian of equality until its minders become the tyrants of a country. Only by keeping people in perpetual childhood can an egalitarian society continue to exist. Thus liberty and self-government disappear before the egalitarian tide.

De Tocqueville would see every sign that the British Labour Party is hastening to create such a government of first guardians and later tyrants. All must be educated in the same type of school, individual talent must first be unrecognized and then suppressed. All private hospitals, presses and medicine must eventually be prohibited. A man's home freedom now only runs to one acre under the Com-

Dr Rhodes Boyson
The author is Tory MP for Brent, North.

The Times Diary

Something to get their teeth into

What a colossal film critics are. A bunch of beasts in a cinema in Regent Street yesterday morning and did nothing but giggle, snort and guffaw as hapless swimmers were torn limb from limb by a man-eating shark before their very eyes. They are obviously so stoned with blood-and-guts pictures that it takes more than a few disembowelled legs to send them bolting for fresh air.

The occasion was the press preview of *Jaws*, described in its advance publicity as the terrifying film of the terrifying best-seller. There have been reports of a sudden drop in the popularity of sea-bathing wherever the film has been shown.

But the critics will not be deterred. When the camera followed a chewed-off leg, some still on foot, on its slow decent to the sea-bed, they tittered. When the death-white head of a mauled fisherman, one eye gouged out by the monster, floated into view, they rapt, and when the huge teeth bit the shark fisherman clean in two, they brought the house down.

Audiences in America and Australia apparently do not share this cynicism, and are prepared to overlook the fact that the man-eater is only a passable inflatable model, with some kind of clockwork motor operating the teeth. Its makers

claim it is the biggest box-office success in the entire history of the world, surpassing *The Godfather* for which a similar claim was made not long ago.

My reporter enjoyed the two-hour saga of how the 25-foot long, three-ton man-eater devoured numerous swimmers off a Massachusetts beach, and is finally destroyed rather cunningly by the local policeman and a marine biologist. But then he is at the knotted bank and rolled trousers end of swimming, and rarely lets the water past his knees.

engaged on the south-eastern circuit.

The Bar Theatrical Society is presenting the play this week in the hall of Gray's Inn, against the opulent backdrop of a wooden screen said to have been fashioned from the poop decks of galleons salvaged from the Spanish Armada.

Lord Justice Buckley, who plays Shylock, is a stalwart of the society's productions, and has previously starred as Malvolio and Taruffio. He was president of OUDS while at Oxford, but unlike Judge Edward Clarke (the Duke of Venice) he was never a professional player.

Clarke took the boards for five years in pantomime and repertory, plugging Bradford, Rochdale and Warrington before settling in law when he married. He says though, that play-acting is more rewarding in court than on stage. “You write your own part, and compose your own sentences,” he says.

David Webster, the producer,

Adventure hols

Visitors to Northern Ireland are still able to obtain a remarkable pamphlet from the Northern Ireland Tourist Board on arrival at Belfast. It is entitled *Sightseeing in Belfast* and includes a list of 17 tourist sights in the centre of town. No mention of the bombs, the riots or the hundreds of dead although paragraph two begins: “The capital of Northern Ireland is a city of surprises...”

If he takes a trip to the Smithfield Market—a mecca for lovers of bric-a-brac, old books, pet shops and characterful (and stalls of many kinds)—the tourist would indeed be in for a surprise. It was entirely gutted by incendiary bombs over a year ago. (The prefabricated new version, erected with government money, scarcely lives up to the old description.)

Visitors are also advised to take a stroll through Ormeau

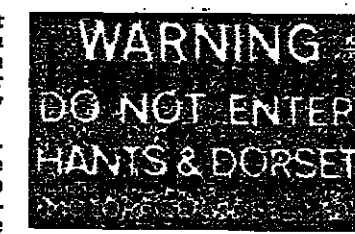
Park (in one of the city's most dangerous areas) and to take a glance at the Ardoyne Church (a few yards from Butler Street, where the IRA regularly shoot at the Army).

The tourist board even recommended a walk along the Hilltown Road towards the top of Cavell Hill. It does not mention that this area has been the scene of numerous sectarian murders and that neither the police nor the Army would advise anyone—even an Ulsterman—to take a walk through this district.

Summitry

Two contrasting accounts of aspects of Everest have been in the news this week. A film of the Chinese expedition which reached the top in May has been shown by the Chinese Embassy, and with sigh-provoking shots of birds, flowers, naturally sculptured ice and rows of padded figures winding their way through snowfields, it makes climbing Everest seem like a happy picnic.

Off-screen one man does fall down a crevasse and die, but the commentary says this merely strengthened the determination of the others, who had been holding political meetings all the way up the mountain. At one of the highest camps a



Enid Zelle, of Tamson, photographed this sign of separatism in the southern counties at Bournemouth.

woman climber was ceremonially admitted to membership of the Communist Party, and when they reached the top of the mountain they lay down and were attached to an electrocardiogram which radioed results back to base camp.

The BBC's film of the British 1975 expedition, which will be seen on television tonight, is very different, as the title, *Everest the Hard Way*, makes clear. Even base camp looks chillingly desolate, the climb is punctuated with avalanches, and the highest and coldest bivouac in mountaineering history and the disastrous deterioration in the weather which engulfed the BBC's cameraman, Mick Burke.

In contrast to the Chinese emphasis on collective spirit, Doug Scott talks about “shop-

floor attitudes” developing on the British expedition and says that at times he was almost sympathetic with Chris Bourdillon's leadership. The emphasis is on the climbers as individuals.

In the end, though, the British agree that their expedition was also a happy one, and Scott confirms the jolly impression of the Chinese effort. “The marker they left at the summit,” he says, “was like a little maypole”.

Eerie

Michael Leapman reports on Canberra, Australia's artificial capital city.

Arriving in Canberra after the bustle of Sydney can be an unnerving experience. The place is quiet, smooth-running and seems almost deserted, though everyone had suddenly had to leave fast, faced with some unknown terror.

Driving in from the near little airport, on a road lined with grass and trees, I saw perhaps a dozen other cars until I reached the immediate vicinity of my hotel. And the hotel itself reflects the town's emptiness. It is the biggest and most expensive in town, yet its large lobby is always nearly deserted.

The roads are wide and well landscaped, linked by spaghetti junctions of an exaggerated

complexity, which again slightly used except in the busier. Most series of all, buses, which travel along roads at a great speed without a soul in them, the driver.

There are fewer than 20 inhabitants most of them servants. There are also in diplomats and a small academic community at the Australian National University, ought in theory to diversify social life. I am told, that there is little cross-fertilization between the three who tend towards cliques.

Members of Parliament, for the most part, are in Canberra. Parliament sits on Tuesdays, Wednesdays, Thursdays, so they sit in hotels for those three days, spend the rest of the day in their constituencies.

What bewilders me about the town is its open space. Because of their sprawling bungalows and suburbs, full of them, it is for more miles than can be seen, a huge sea of emptiness. It is a fine line with city and I suppose it works enough as an administrative centre, but there is some wrong with it.

There are also a few of the British, have taken the French, have

At the end of a bleak year this Special Report assesses the economic outlook across the Channel and the North Sea

European industry

Ring of confidence a little tarnished

by Maurice Corina

European industry's resilient confidence in its own abilities is now being severely tested. There is nothing like a deep recession for exercising management's capacity to its limits or undermining the morale of labour forces. Across Europe the tempo of industrial production has slowed, with all the inevitable consequences, including a lengthening of queue times.

Management is preoccupied with holding back the rate of cost increases and predicting when general recovery may begin rather than with the longer term planning for the 1980s. Yet it is precisely how and in what shape companies will survive, that must determine future planning. Companies have learnt some bitter lessons about how vulnerable industrialized society can be to rampant inflation and high-priced energy.

Few, if any, industries have escaped the ravages of inflation and depressed demand. Falling output and soaring expenses have savaged profit and loss accounts. The resulting shake-out of labour and the search for economies was inevitable, though national governments have adopted differing counter-inflation policies to complicate the life of hard-pressed managers.

Some companies have gone under. Others have been nourished by state aid and interventionist policies, but are by no means a uniquely British development. The wish to preserve surplus capacity for the eventual recovery is international as is the reluctance to invest in new equipment at the bottom of a cycle, the time when it should be done, but when no one wants to tie up funds.

That reluctance stems from the economic indicators among other things, which show few signs of any recovery within Western Europe from the worst slump since the Second World War.

Imports by all the industrialized countries of Western Europe will be lower in volume this year and look as if no country will escape declining in their overall volume of exports.

The interdependent trade of Europe and the United States has to show more striking improvements before revised schedules can be revised and stocks rebuilt. It is not all gloom, however.

France, Italy, Switzerland and even Britain have seen favourable swings in their trade balances and Nordic countries have greatly improved their terms of trade.

Most European eyes are naturally turned towards West Germany, where the first streaks of a silver lining may be seen. It is also to Japan and the United States that Europe must look for reflationary stimulants to trade and renewed growth.

German industry is well organized and best able to respond quickly, for its fight against higher costs has gone better than most, even if that fight has been no less grim than elsewhere.



Steelworkers in West Germany: 1975 has been possibly the worst year for steel since the 1930s.

the Far East. Footwear and textiles have been notable examples.

All these factors, and others, produce their strains. In steel, for example, Japan and Spain have been under fire for their aggressive selling when the output of the Nine is about the level of 1968. Strains have shown elsewhere, especially within the Community. France has defended itself against Italian wine, Britain has balked at the flow of French and German cars, and argued about energy policy, and so on. But all are reflections of the strain of a long recession.

The dream has been to attain more systematic planning for growth, based in the European Community and its arrangements with Continental outsiders. It

becomes harder for the Brussels administration to push sovereign governments towards state goals when every one is rowing and defending their interests.

When Sweden argues with the Community over footwear and paper and board, when Britain talks of selective import controls, and when the United States charges Europe with dumping cars, it becomes difficult to talk of harmony and the European dynamic that industry sees essential.

Yet all is not bad. If recession does anything it is to promote a fundamental re-examination of such things as productivity, labour relations, managerial competence, cross-industry relationships, and ways to beat rising costs. Public

expenditure is everywhere under the most rigorous examination.

It has been a characteristic of the past two years that state planning of European industry has grown at national level while Community planning activity has slowed. Each country now has machinery for consultation with industry. This trend may yet produce close understanding by politicians of industrial issues and national government may be better prepared to respond when the Community, for example, is able to begin serious planning for the 1980s.

European industry's future is likely to be characterized by more collaboration in technology, energy resource development, more harmon-

ized trading, more worker involvement in decision taking, and more government pressures, rather than less. But first there has to be an end to recession.

The turmoil in continental manufacturing and raw materials supply is matched by political upheaval, and other factors. Spain's steady industrialization is likely to continue, yet no one can be certain how political events after the death of General Franco may affect its future pace, or the development of trade union power. Portugal is in a mess, with external investors unsure of their future association with that country.

The shadows over Spain and Portugal are in sharp contrast to the steadily grow-

ing, if less populous, Nordic nations. Norway is now rich with oil and has a new impetus to Europe, if outside Community commitments. Its gross national product may rise 7 per cent next year, though the Nordic Federation of Industries foresees a slower revival in Sweden and Finland, the latter savaged by inflation, while Denmark may advance its national product by 4 per cent.

Among other smaller nations, Austria and Switzerland, by specialization in particular industries or financial services, seem self assured. But the size and scale of industry in the heartland of Europe—The Netherlands, the Benelux countries, West Germany, France and Italy—

require more careful evaluation. Their great industries, from petrochemicals in Holland to domestic appliances in Italy, are dependent on many imported materials, fuels and sustained heavy investment.

There has been an increase in external investment in developing parts of the world and the United States. Enriched by the steady rise in intra-European trading and direct exporting. Yet, there are worries for the future. The low cost production evident in the Far East and Eastern Europe is prompting a reexamination. Japan is a formidable competitor and progressive industrialization in such diverse parts of the world as Eastern Europe, the Middle East, and South Korea means more import competition and stronger challenges in traditional markets.

Europe in recent years has demonstrated a capacity for technological development, but to keep ahead or abreast of the United States and Japan requires massive investments and risks. Anglo-French cooperation on Concorde is proof of technical capacity as well as the risks, even with collaboration. Such collaboration will surely continue, nevertheless.

In the energy sector, for example, there have been some setbacks, but American nuclear technology is likely to slow down and be overtaken by European fusion work. Europe is progressing towards pooling data-processing skills. Newer financial institutions are beginning to invest across frontiers, backing worthy projects.

More industries now talk of coordinating their investment plans and greater interest is taken by one industry in one country in the difficulties of the same industry in another.

Trans-national mergers have been slow to develop because of the complexity of differing corporate law and taxation. Yet the possibilities will grow with more harmonization. Rothmans International has made a bold attempt to form European management and production out of a series of tobacco mergers. Dunlop

Pirelli ran into troubles, but can boast some experience. State aid to industry continues to develop. There are incentives to invest, loans, central government planning, and the creation of holding companies, with Britain providing the latest example with its National Enterprise Board. On this trend is being superimposed the European Community's efforts to create a regional policy to concentrate more resources in less prosperous areas.

While the machinery of individual nations for controlling industries about their problems and aspirations continues to be refined, there is now a burgeoning apparatus of European consultation. Trade associations and central employer organizations meet regularly, both within and without the EEC. Surveillance of monopoly behaviour and restrictive practices has also intensified.

Whatever the troubles and the present state of the Western European is still a formidable industrial machine based on a vast market where barriers to trade are being broken down slowly but surely. Political preoccupations are very much concerned with industrial questions and the fact that political cooperation continues to grow means that industrialists will develop further their own collaborative machinery and be steered towards more planning at European levels.

More organized trading relationships and further strengthening of contacts may result from an increase in government-to-government consultations on industrial issues. In such a situation, the role of the small and medium-sized business can be diminished without more conscious understanding of their particular importance to the European economy.

That this question is now attracting some discussion in European circles can only be welcomed, but more evidence of practical support is needed to sustain the enterprise on which European growth has been based.

The author is Industrial Editor, The Times.

Palliatives for common finance problems

by Anthony Rowley

There has been a strong similarity in the nature of the financing problems faced by industry throughout continental Europe over the past two years. Only the magnitude of the problem has differed from one country to another, broadly in line with differing rates of domestic inflation.

The solutions adopted by industry and by governments also have been broadly similar. They are probably better called palliatives than solutions, however, for financing and liquidity problems threaten to resurface once recession gives way to recovery.

In all the countries of the EEC, and elsewhere in Europe, a common scenario was building up to produce a classic liquidity squeeze for industry from the time of the oil crisis in the autumn of 1973. In the next year, inflation began to gallop along in many European countries and in Britain it reached a runaway pace.

The common reaction among European governments, and perhaps most markedly in France, was to impose price controls on many important industrial product groups. This in itself might not have affected industry too badly had it not been for the fact that its own costs were subject to no such restraint. Wage inflation was still rising rapidly and there was an explosive rise in world commodity prices.

Companies' operating margins were thus eroded rapidly, and, to add to their burdens, they found that they were being taxed on illusory profits caused by stock appreciation. This was described in Britain as the "doomsday machine" effect though that machine was ticking away remorselessly among continental industries too.

Savings ratios were rising as people began making provisions against the coming recession and the possibility of unemployment. This not only had an impact on consumption and thus on industry's sales—consumer goods at first, then on capital goods—but also on portfolio investments. Stock markets throughout Europe plunged in 1974, thus restricting industry's capital raising just at a time when funds were being squeezed by a host of other factors.

Then, in 1975, the position changed again and the common causes of this change brought about broadly similar effects throughout Europe. Industry began cutting back its stocks and loans and bond issues, began curtailing in line with its reduced demand, thus easing its liquidity. Capital investment plans were also cut back sharply.

Governments, the British first and then the French,

began rather belatedly to realize just how pernicious the effects of the liquidity squeeze were proving to be on industry. The doomsday machine syndrome was being taken seriously. Tax concessions were allowed and price controls progressively eased.

A host of smaller companies went to the wall right across Europe but as 1975 progressed it became obvious that the industrial giant had weathered the worst of the crisis.

This again increased the confidence of investors who were seeing their money so rapidly eroded by inflation that industrial securities again appeared to be a better hedge against that evil than assets held in monetary form. Equity markets duly rose again, and the frightening debts they had plumed in 1974.

In Germany, as in Britain, industrial companies began to take advantage of this situation to raise money through rights issues. Much of the proceeds, however, were not put to their classical use of financing new capital investment but rather to reducing the short-term borrowings that had risen in line with working capital inflation.

However, in West Germany's case the strong position of the Deutsche mark helped to alleviate the rising costs of raw materials from abroad while the cost to companies of external finance became less of a burden on profitability in 1975 than it had been in 1974. Interest rates on the credit markets fell noticeably in the first half of this year and companies were able to replace substantial amounts of expensive short-term loans from domestic sources by cheaper foreign credit and longer-term loans.

One of the most interesting features of the West German experience has been the extent to which industrial companies have abroad, foreign banks, recently in order to take advantage of lower interest rates. Many of these banks are "foreign" only in the technical sense, however, in that often they were the subsidiaries of German banks domiciled abroad, particularly in Luxembourg.

This, in turn, reflects the buoyancy of the Eurobond markets in 1975 after a long period of stagnation the previous year.

The Euromarkets have been highly active this year both in terms of medium-term loans and bond issues.

opportunity to refinance their existing borrowing at favourable rates they have also become more able to support those companies who internally-generated funds during the recession. The Deutsche Bundesbank reports that internal resources accounted for 83 per cent of the funds supplied for "entrepreneurial purposes" in the first half of 1975 compared with 75 per cent and 72 per cent in the corresponding period of the two preceding years.

"The self-financing ratio therefore returned to the level of the first half of 1967 when the economy likewise stood at the nadir of a business cycle. None the less, the financial conditions for a new upswing among enterprises are now substantially better than they were last year."

Not all commentators are as sanguine as the Deutsche Bundesbank on this latter point, however. There is a fear that once deflation comes it will lead to such a sharp demand for new funds to finance higher working capital for example, that companies' borrowing ratios will be put under severe strain.

It is for this reason, among others, that British financial and industrial companies have raised more than £1,000m of new equity funds in the stock market this year. The idea has been to help to bolster their capital base against the time when they will need to increase their borrowing—to "gear up"—in line with economic revival.

In West Germany, too, many of the larger industrial companies have taken advantage of improved stock market conditions to improve their capital base during 1975. In France, however, where the stock markets tend to be of less importance than in other EEC countries, there have been few such new capital issues.

The financing problems in French industry were emphasized by the announcement in October, 1975, that this sector would receive \$2,900m of the \$7,000m which Presidentiscard is injecting in the economy in an attempt to bring about domestic deflation.

In Holland the prospects for industry financing from traditional sources are problematical. Holland has perhaps the best developed stock market mechanism outside Britain but capital-raising activities there tend to be dominated by a few international companies such as Philips and Royal Dutch, leaving the small companies largely dependent upon bank finance.

Outside the EEC, industry's financing problems have been no less severe than

elsewhere in Europe, and in Switzerland they have been heightened by special factors. The popularity of the Swiss franc as a special currency, leading to its revaluation against other currencies, has produced particular problems for Swiss industry, in terms of falling export earnings. The Swiss authorities are worried about the way the country's deep involvement in international banking is causing grave complications for industrial and other sectors and seriously questioning whether the international banking profile should be lowered.

The Scandinavian countries have not escaped the effects of recession either. In Sweden, despite the existence of the centrally-operated industrial fund, which is supposed to iron out the peaks and troughs in capital investment, the Government was compelled to announce in July a 6900m scheme to halt the growth of unemployment.

Swedish industry has strong backing from banks, which, along with family dynasties such as the Wallenbergs (with holdings in SAAB, SKF, Atlas Copco, Alfa Laval and other companies), provide the bulk of its finance. The sharp lesson being learnt from recession, however, is that the banks and holding companies which figure so prominently in European industry financing are unlikely to provide funds simply to prop up employment in times of recession.

At the other geographical extreme of Europe—in Spain—the problems of the world-wide recession have been exacerbated by the crisis of General Franco's death and the uncertainty which preceded it. One of the most adverse factors has been a sharp fall in foreign investment in Spain, which places a greater burden on domestic institutions to finance deflation when the time is ripe.

Yet in Spain, as throughout the whole of Europe, stock markets have been touching very high levels as recession deepened. This paradox is perhaps more understandable, however, if one considers the fact that weakening price controls, tax concessions and even rising unemployment point to improved profitability for industry.

Even so, the chance to make these improved profits presupposes improving demand and that, in turn, points to a rapid rise in demand for capital. There is general agreement among European commentators that this could lead to a sharp liquidity squeeze again unless the financial institutions stand ready to provide industry with fresh injections of equity capital as well as debt.

50

Avenue Foch

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Slow progress to common energy policy

by Roger Vielvoye

Britain's unsuccessful attempt to win a separate seat at this week's international conference on economic co-operation exposed the very slow progress that the European Community has made towards formulating an energy policy. Mr Callaghan, the Foreign Secretary, was able to argue that the lack of any agreed and coordinated policy made it impossible for the EEC to speak with a single voice on this question in world forums.

In a world where energy has gone from a low-cost, plentiful commodity, to a high-cost commodity long-term supplies of which are no longer assured, this lack of progress in EEC policy-making is causing concern among many of the members.

Pressure is now growing for the Community to move away from the concept of an overall energy plan towards a more flexible policy designed to coordinate individual national plans within extremely broad guidelines.

Documents such as *Energy Objectives for 1985*, published in 1974, are now seen as over-optimistic and unworkable and are no longer seriously considered as the basis for a Community policy as they would require substantial Community involvement.

In various national plans for energy production, intervention of this kind, while essential in agriculture, is more difficult in the case of energy where projects can take up to eight or 10 years from conception to the production of power. Faced with this timescale, guidelines that treat nuclear power plants in the same terms as eggs or butter are now acknowledged to be largely an academic exercise.

At the root of all European thinking on future energy policy is the desire to lessen dependence on imported oil. Within the Community planning is made difficult by varying degrees of dependence on imported oil for meeting national requirements. At one end of the scale Denmark, with a tiny North Sea oilfield, is almost completely dependent on imported energy. According to figures from the Organisation for Economic Co-operation and Development (OECD) Italy meets only 15 per cent of its energy requirements from within its own resources while France does slightly better with 23 per cent.

In the middle of the league table are Britain (31 per cent) and Germany (35 per cent).

West Germany (30 per cent) thanks to sizable coal industries and, in Britain's case, large quantities of natural gas from fields in the south-east part of the North Sea. At the top of the league is Holland, which because of its vast gas reserves, provides 70 per cent of its own energy requirements—almost as much as the best-placed non-oil-producing nation in Europe—Norway.

However, within the Community only Britain, through the development of its offshore oilfields, has the prospect of improving on this situation in the short term. North Sea oil should make Britain self-sufficient by 1980, and if the Government chooses it could be a substantial exporter of crude oil by the middle of the next decade.

With such divergent interests it is hardly surprising that governments even a simplified energy policy will be filled with difficulties. First steps should be taken later this month when energy ministers from the Nine will be asked to adopt energy-saving measures designed to keep oil consumption over the next two years down to about 10 per cent below its 1973 level.

All the members of the Nine, even those with a high degree of self-sufficiency or the prospect of self-sufficiency in the future, are agreed that conservation is of vital importance. Agreement on this uncontroversial subject could pave the way for settling a policy on the financing of new sources of energy and guaranteeing investment in high-cost indigenous oil and gas such as the North Sea.

Previously, the Community had been committed to sharing energy resources in the event of another international reduction in oil supplies and has also established new levels of oil stocks that should be held by each nation. In this area the work of the Community energy planners is quickly being overtaken by the progress made by the International Energy Agency (IEA).

Although France has declined to join the agency it works very closely with the Paris-based organization. The issue of oil sharing within an organization that includes most of the major consuming nations is obvious to EEC members and there has been little opposition to allowing the IEA to set the pace and standard in the western

approaches where an intensive drilling programme has started.

Outside the Community, Norway has the capability of becoming a net exporter of oil. Traces of oil have been found by Sweden in the Baltic while Spain has a small offshore field operational in the Mediterranean.

Natural gas should play a greater role in meeting Europe's energy demands over the next 10 years. Holland is the centre of a supply network reaching as far south as Italy. West Germany, France and Italy all have small indigenous resources and France periodically puts pressure on Britain to link its extensive natural gas transmission network into the European distribution system through a pipeline under the English Channel.

Norwegian gas has been sold to a consortium of EEC gas utilities and substantial supplies are already being pumped into the European network from the Soviet Union. In addition, natural gas in liquid form is imported from North Africa and there are ambitious plans to buy Iranian gas through an exchange deal with Russia. Further supplies of Iranian gas may be piped to Turkey, where it will be shipped to Europe in liquefied form.

Britain and West Germany are the only two European countries that have retained large coal industries. The EEC wants to maintain indigenous production and also step up the level of coal imports from Poland and other sources.

In France, where the coal industry has been dramatically run down, nuclear power is seen as the way out of the stranglehold of imported oil. But these ambitious plans have run into environmental problems. Without the French commitment to nuclear energy the EEC's hope of producing half the Community's electricity by building nuclear power plants generating 200,000 megawatts of energy by 1985 is unattainable. Many experts doubt whether Europe has the resources to build a programme of this size in such a short time and the ability of European manufacturers to provide the published programmes of the individual members, which amount to 160,000 megawatts of energy of installed plant by 1985, has been questioned.

The author is Energy Correspondent, The Times.

Fifty leading European companies

The following letters are used to indicate countries: A—Austria; B—Belgium; D—Denmark; F—France; G—Germany; I—Italy; N—Netherlands; S—Sweden; Sw—Switzerland.

Rank	Name	Country	Main activity	Sales 1974 £m	Sales 1973 £m	Reported profits after tax 1974 £m
1	Royal Dutch Petroleum Company	N	Petroleum products	8,235.5	1,444.5	688.5
2	Philips' Lamps Holding	N	Electronic and electrical goods	4,308.0	1,247.2	123.1
3	Cie Francaise des Petroles	F	Petroleum products	4,109.1	1,729.0	135.8
4	IRI	I	State industry holding	3,956.8	3,073.6	—
5	BASF AG	G	Chemicals	3,604.4	2,823.0	91.9
6	August Thyssen-Hütte AG	G	Iron, steel, chemicals	3,740.8	2,101.2	27.2
7	Hoechst AG	G	Chemicals	3,575.4	2,610.6	113.5
8	Unilever NV	N	Food products, detergents, animal feedstuffs, toilet preparations	3,419.1	2,855.2	85.7
9	Telefonaktiebolaget LM Ericsson	S	Telecommunications	3,406.0	3,013.5	112.0
10	Bayer AG	G	Chemicals	3,341.4	2,460.9	109.9
11	Veba AG	G	Chemicals, electricity, glass, transport services	3,197.2	2,206.5	50.0
12	Siemens AG	G	Electrical and general engineering, electronics	3,048.8	2,734.5	88.2
13	Volkswagenwerk AG	G	Motor vehicles	3,008.1	3,005.7	loss 142.9
14	Nestlé Alimentana SA	Sw	Food products	2,796.3	2,762.0	124.8
15	Daimler-Benz AG	G	Motor vehicles	2,395.6	2,183.5	43.0
16	Mannesmann AG	G	Iron, steel, mechanical engineering, chemicals	2,332.4	1,760.4	45.6
17	Pechiney-Ugine Kuhlmann	F	Aluminium, chemicals	2,132.5	1,557.7	57.6
18	AEG-Allgemeine Elektrizitäts-Gesellschaft AEG-Telefunken	G	Electrical engineering, electronics	2,121.8	1,915.6	loss 117.5
19	Petrofina SA	B	Petroleum products	2,087.5	1,395.6	59.3
20	Ruhrkohle AG	G	Coal mining	2,070.8	1,504.4	—
21	ENI Group	I	State owned (oil, chemicals, engineering, textiles)	2,008.9	1,440.3	—
22	Cie de Saint-Gobain Pont-à-Mousson	F	Glass, chemicals	2,003.9	1,510.7	67.5
23	OAG-Osterreichische Industriever-	A	State industrial holding	2,000.0	1,419.7	77.8
24	Waltungs-AG	G	Petroleum products	1,981.4	1,390.8	24.2
25	Deutsche Shell AG	F	Chemicals	1,987.4	1,401.2	99.8
26	Rhône-Poulenc SA	G	Petroleum products	1,946.9	1,486.7	55.5
27	Finsider SPA	I	Steel	1,878.3	1,149.5	10.8
28	Fiat SPA	I	Motor vehicles, aircraft	1,863.9	1,557.4	—
29	Guthofnungshütte Aktienverein	G	Mechanical engineering, electricity, iron, steel, building	1,849.6	1,561.6	10.3
30	Akzo NV	N	Chemical fibres and pharmaceutical products	1,833.2	1,604.4	64.7
31	Salzgitter AG	G	Iron, steel	1,742.6	1,279.5	9.3
32	Estel NV	N	Steel	1,737.3	1,329.3	55.0
33	Electricité de France	F	Public utility	1,697.3	1,509.5	loss 4.3
34	Danain-Nord-Est-Longwy	F	Steel	1,656.3	1,175.8	21.0
35	RWE AG	G	Public utility	1,644.4	1,382.8	89.5
36	Pirelli/Dunlop Union	I	Tyres, rubber products	1,595.0	1,336.0	25.3
37	Ciba-Geigy AG	Sw	Pharmaceuticals, chemicals, dyes	1,571.9	1,371.6	19.4
38	Aral AG	G	Petroleum products	1,548.1	1,201.8	3.5
39	Cie Generale D'Electricité (CGE)	F	Electrical engineering	1,526.4	1,233.9	9.7
40	Hugo Stinnes AG	G	Liquid and solid fuels	1,502.5	1,054.9	9.2
41	Montedison Group	I	Chemicals, pharmaceuticals, metal products, etc	1,511.9	770.9	52.9
42	Cie Francaise de Raffinage	F	Oil refining	1,464.9	626.6	—
43	Rheinmetall AG	G	Steel, coal, shipbuilding, motor vehicles	1,426.5	1,107.5	loss 0.7
44	East Asiatic Co	D	Shipping, food products, global traders, plantation owners	1,423.2	1,324.8	7.8
45	Shell Francaise	F	Petroleum products	1,408.8	709.2	—
46	Peugeot SA	F	Motor vehicles	1,406.4	1,201.1	25.2
47	Flick Group	G	Iron, steel, mechanical engineering	1,390.2	1,170.6	10.5
48	Deutsche BP AG	G	Petroleum products	1,268.4	929.0	(2.0)
49	Karstadt AG	G	Department stores	1,266.9	1,136.0	22.4
50	Brown Boveri & Cie AG	Sw	Electrical engineering	1,249.1	1,215.1	5.8

* 1973 figures. Based on The Times 1000, 1975-76, edited by Margaret Allen.

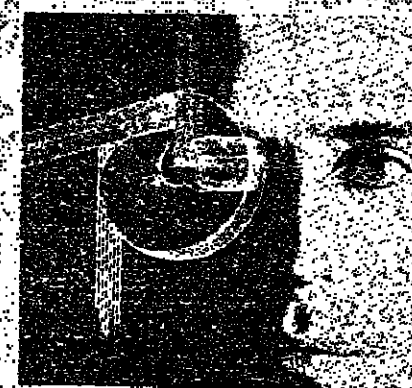
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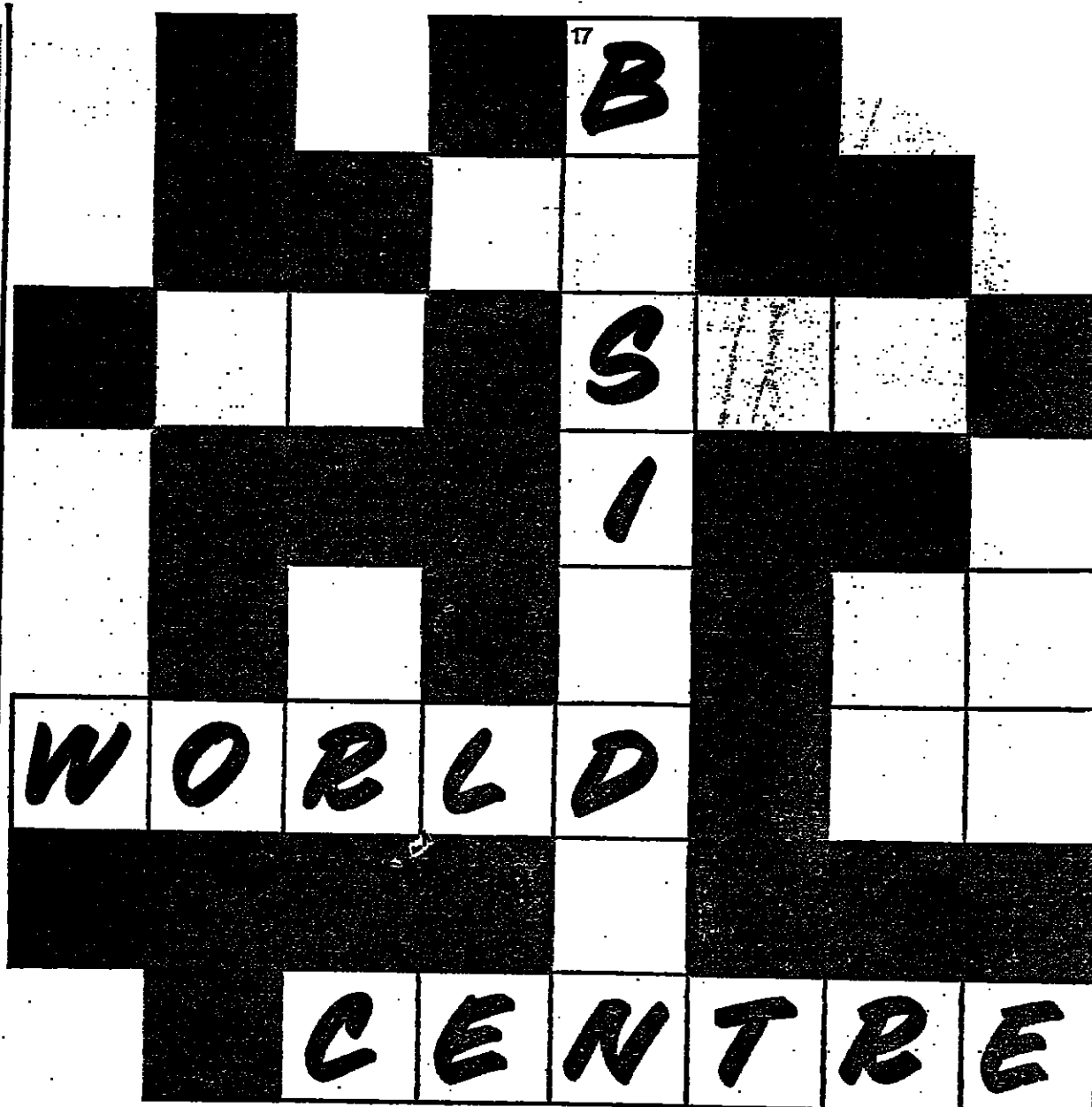
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Growth opportunity is far too good for Americans to miss

by Derek Harris

The United States has rather more than \$26,000m (€13,000m) industrially invested in Europe, excluding the United Kingdom which accounts for another \$11,000m or so. The latest available figures for total United States investment abroad is \$107,200m.

These totals reflect only book values. If inflation factors were built in the figures would be far higher. The giants among the multinationals, from Exxon to IBM and Corning Fibers, have been joined in recent years by a legion of lesser corporations, from H. J. Heinz to Gillette, in putting money into Europe.

But things are not what they were for the Americans in Europe. IBM may still be dominant in computers because of its capital and technological base and much American investment will be paying off in developing offshore oil in the North Sea. Nuclear power is another high technology in which American companies like Westinghouse could continue a dominant role. However, problems are mounting for many United States giants.

The days of the high-value dollar advantage Europe are a faint memory now that floating currencies have seen the American currency devalued—a process that first started to cool off in 1971. American investment in Europe and also made investment by the Europeans in American concerns increasingly attractive.

Until 1973 United States direct investment abroad grew consistently. In the 10 years to 1972 the average annual increase was 53.5m, with a peak in 1970 of 72.5m. What a United States Department of Commerce analysis subsequently showed, however, was that the rate of increase of United States investment abroad was easing after 1966.

Investment into the United States from abroad, on the other hand, had an increased growth rate, although year-by-year figures were erratic.

The value of the dollar is only one factor. The gap between unit costs in Europe and the United States is no longer what it was and in some cases—West Germany and Sweden are examples—has almost disappeared.

Even so, the European market, in many sectors getting things wrong not with a higher potential only on this side of the

Atlantic. So this company, although it may not turn out to be the last case of its kind, is probably still a standard by which to judge most American investors in Europe.

Nor arguably should one rely too much on the other end of the scale—one of the oil giants, say, with its immediate and quite likely highly profitable investment with North Sea exploitation. This is a special situation where high investment could be expected.

The special strength of a company such as IBM, which has some 50 per cent of the European computer market, are also not typical. Nearest middle ground in such a scale is the Eaton Corporation of Cleveland, Ohio. It has worldwide sales of \$75m in motor components, energy transmission, industrial trucks, locks and consumer durable controls. Of those sales Europe contributes some 17 per cent.

The company has a big investment stake in Europe. Since 1971, either in equity investment buying up existing companies, or in development of new facilities, they have spent some \$32m.

Rather less than a third of that was in the United Kingdom. More than \$13m is still committed to 1976 development and has not been cut back despite difficulties in many of Eaton's market sectors.

Still being built is a \$25m lorry transmissions factory near St Nazaire, due to come on stream at the beginning of 1977. It will initially provide 600 jobs.

Of the company's 20 manufacturing plants on the European mainland, the heaviest concentrations are in Italy and West Germany. Eaton, in fact, is stitched into the fabric of European industry more closely than many American companies.

At the moment Eaton is lacking in an internal debate on where it goes in Europe. It has already said it will be looking long and hard at future investment.

What worries some of the top Eaton men are European profit margins; so slim that even current facilities and equipment cannot be kept up to scratch. Against that Europe presents the possibility of growth in lorry components at least double that expected in the United States.

The trouble with inflation, however, is that it gears up the need for cash, which demands either increased profit margins or reinvesting back on capital spending.

Differences likely to disappear

A question often asked among American companies is whether some countries in Europe offer a more profitable home for investment than others.

Within the EEC at any rate, as that entity develops, whatever differences there are will probably disappear over a period. Even now they may be less than some think.

Eaton's European regional director for truck components, Mr. Drago Volowsek, feels that there is less to choose now between one country and another. In terms of working methods and style he found West Germans were more "straight line" efficient, Britons more imaginative, "at the end of a year you get about the same result in each country by different routes"—the northern Spanish very efficient.

It is not simple to compare one country with another in terms of real unit wage costs. The Federation of Swedish Industries found this out when it mounted an investigation of such costs in Europe, spurred by Sweden's increasingly worrying reputation as a high-cost country.

It worked on 1970 figures and since total wage cost put the United States at a scale figure of 138, Sweden at 100, West Germany at 80, the United Kingdom at 55, and Japan at 31.

The Swedes went to considerable lengths to build in an assessment of the relative efficiency of each country's industries and the general economic health. The unit wage costs they came up with then were United States 101, Sweden 100, West Germany 80, United Kingdom 55, Japan 31.

If the last set of figures have any relevance it is in emphasizing the near disappearance of one other argument for American companies to produce in Europe—that it can be so cheap that it pays to produce in Europe even to supply the American home market.

But on whatever grounds the Americans may question their continued expansion of investment in Europe, their industrial presence is more likely to grow, if at a slower rate, than declining. One of the Eaton companies, Caterpillar Tractor, one of the biggest makers of earth-moving equipment in the world, only a short time ago announced a new multi-million-pound expansion in Leicester.

Commission's full support for worker participation

The stringencies of recession may have given European managements an easier run than for some time in their industrial relations, but the march towards co-determination in industry is still going on.

The prospect of a new wave of restructuring, with workers, nearest in West Germany and Sweden, is alarming many industrialists.

It could be argued that the march is showing signs of faltering. The European Commission, for instance, has pulled back from recommending a sudden imposition of worker participation to EEC governments. Instead there will be a 10-year transitional period during which workers would be given only gradually greater management power.

But the Commission's recent green paper has nevertheless backed unequivocally the principle of worker participation in company affairs. With the idea of a uniform company law throughout the Community, now dropped in favour of a flexible convergence of national legislation, it leaves open for national debate the precise forms of worker participation.

Two-tier boards, with full worker representation on the supervisory board, will not therefore be imposed either immediately—which had been the Commission's aim originally—or even eventually. Non-executive directors representing workers, as well as other than shareholder interests, equally could be built into a company's main board.

But the Commission is

much in favour of worker councils already backed by legislation in France, Italy, the Netherlands and Belgium. These were hotly contested by the employee block. But they were outvoted as can happen through out most of West German industry where supervisory boards at present consist of one third employee representatives and the rest shareholder-nominated representatives.

Another argument for there being hesitancy in the march is the obvious mixed feelings of some trade unionists who are not happy at the idea of a worker director being transferred into a boss. The short-term problem of finding workers up to the job of making crucial decisions on company affairs also simmers just below the surface of trade union opinion as well as being an issue among many industrialists.

Mr. E. Mandell de Windt, chairman and chief executive of the United States-based Eaton Corporation—the multinational motor components, energy transmission and durables firm which has a \$50m investment stake in Europe—has gone on record as saying that the trend towards a fifty-fifty arrangement on European company boards is causing his concern.

But that company's experience of the two-tier board system in West Germany—pioneer in the EEC in the march towards co-determination—has not proved unhappy. Mr. de Windt's estimate was that it was possible to make it work effectively. Eaton's management talks from experience for it has six main manufacturing units in West Germany.

The question emerged more starkly earlier this year when Volkswagen's super-

visory board had to consider the company's redundancy plans. These were hotly contested by the employee block. But they were outvoted as can happen through out most of West German industry where supervisory boards at present consist of one third employee representatives and the rest shareholder-nominated representatives.

But the West German Government is now moving towards introducing into companies of more than 2,000 employees a fifty-fifty arrangement, similar to that which has been operating in the country's coal and steel industry for more than 20 years.

Insecurity and a tougher time

If Volkswagen had been operating in that way, the redundancies clash could easily have developed into a major confrontation. On the coal and steel industry pattern a neutral chairman could have resolved the voting issue, but the Government's latest ideas would diminish even this safeguard by having supervisory board chairmen voted in by the rest of the board.

West German unions point to the fact that the supervisory boards in coal and steel have worked tolerably well. They feel, rightly, that union representatives have shown

themselves to be willing to cooperate, and generally to act sensibly, according to the overall needs of an enterprise.

But for one thing these were the good years of the West German economy. The situation is a lot tougher now as workers who have looked for a bigger slice of the cake feel increasingly insecure as unemployment soars.

The jobsless total in West Germany is expected to average about a million this year and next, and leading trade unionists now want the Government to intervene more decisively to structure weak areas of the economy like the electrical and motor industries. Otherwise they foresee large-scale unemployment, with all the stresses it brings to industrial relations, continuing for some years.

Industrialists also question on other grounds the apparent viability of the 50-50 coal and steel system. They theorize that some trade union leaders may have been delaying action in that sector until the system spread to the rest of industry.

Only at that point, the industrialists think, will the trade unions exert what will then be their real power.

While right-wing industrialists particularly talk in alarmist terms of the workers seeing co-determination as only another step on the road to total control, the unions lately have shown what they regard as restraint in West Germany on wage claims.

A 6 per cent increase in the iron and steel industry was agreed last month as the

inflation rate for next year was being forecast at 5 per cent. But, with investment lagging, industrialists have been saying that 6 per cent is too high and must not be allowed to set a national pattern.

If what the unions regard as restrained wage settlements are to damp investment, thus keeping the national economy sluggish and therefore leading to continuing high unemployment, more stresses are bound to appear in industrial relations.

If this is the prospect for West Germany, to which the industrialized world is looking as a main generator of recovery, the picture will inevitably be less happy in other EEC countries. In France both employers and unions have been fearing for months a slide into an economic dark age as unemployment topped a million and company bankruptcies jumped about 24 per cent over a comparable period of last year.

Everybody is still waiting to see how far the Government's September reflationary package will move the economy into a higher gear and, particularly whether inflation can be restrained. If it is not the pressure for wage rises—earlier this year up 20 per cent on last year—will inevitably be resumed.

At least in France legislation works companies will be able to see from company balance sheets what the present situation is and where a company's breaking point financially may be when they frame their

demands. But in The Netherlands, for instance, there could be a more old-fashioned confrontation between management and labour, with the legislation-backed workers' councils having no legal right to influence at the books or influence major company decisions.

A reshaping of management-worker relations is being attempted in the major European countries at a difficult economic time. There is not even much comfort from the country that is probably farthest along the road, Sweden. There the chances are that in January, 1977, workers will have the right to question and halt any management decision at various levels.

Even the most sanguine industrialists there foresee a consequential slowing in the decision-making progress in companies.

But most managements and unions there are already tackling the problems—such as education of union representatives—rather than avoiding the issue. Although the precise forms of worker participation may vary from one country to another, the major European countries all seem likely to have to follow a similar philosophy eventually.

Whether it would lead to problems being thrashed out before reaching a strike issue, and to workers particularly accepting socially harsh solutions like redundancies or draconian wage restraints, remains to be seen.

D.H.



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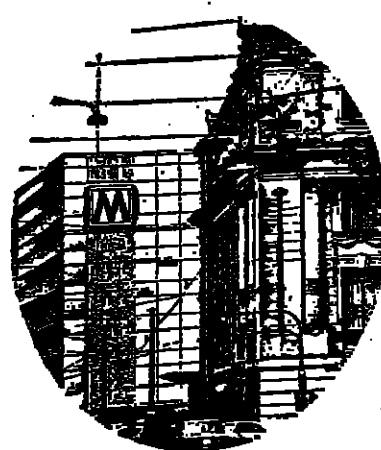
was the motto of Wilhelm Merton, who founded Metallgesellschaft in 1881 at Frankfurt am Main. His company became the nucleus of a global enterprise which early this century, through a web of companies, searched for raw materials on all five continents, processed them, and laid the foundation for international trading in ores and metals. Enterprise and reliability, bold planning and careful observation of the market, marked the style of this company.

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Japan's web likely to widen in next few years

by Peter Hill

One of Japan's largest trading companies, *Mitsui & Co.*, has nearly a score of branch offices and representatives offices throughout Europe. These offices, some of which are in Eastern Europe, are the eyes and ears of *Mitsui* in Europe, reporting to and dealing directly with the company's European headquarters in London.

That *Mitsui* should have such a network of offices in Europe is not surprising as it began business in Europe with an office in Paris nearly a century ago and opened its first London office in 1880. Where *Mitsui* blazed a trail, other companies have followed, particularly since the real move forward in terms of Japanese foreign investment took place in the early part of the 1970s with investment in the United States by the principal trading companies.

Since then there has been a modest growth in overseas investment by the Japanese companies although it was constrained by government capital outflow controls and the modest growth was replaced by a burst of activity in the early 1970s. Total worldwide investment by Japan now amounts to more than \$12,600m and about 60 per cent of the total was committed in the fiscal years 1972 and 1973.

Upward trend will continue

There has been a slackening in the pace of foreign investment since then, but the overall trend will continue to be upwards and estimates by independent forecasting organizations in Japan have indicated that by the end of 1980 total foreign investment will range between \$2,500m and \$4,900m. By the end of the present decade Japanese foreign investment could be more than that of France, West Germany and Britain with the funds covering the whole gamut of investment from manufacture of zip fasteners and assembly of colour televisions in Britain, to shipbuilding and steel production in Latin America, textile production in South-east Asia and a whole range of banking, insurance and related financing activities throughout the world.

Total Japanese investment slightly more than \$2,000m with a large part accounted for by the activities of the banks and trading companies. Manufacturing investment is fairly small with about \$35m invested in chemicals, \$37m in machinery production, \$28m in iron and non-ferrous metals, and about \$24m in foodstuffs.

Japanese investment in Europe accounts for about 19.4 per cent of total Japanese investment, ranking after North America (24.4 per cent) and Asia (23.3 per cent) while investment in Central and South America represents some 17.6 per cent of total Japanese foreign investment.

Japanese overseas investments have been influenced by a number of factors, not least the need for the island nation to secure its raw material resources, particularly in the energy and mining sectors. But foreign investment has been prompted also by the rapid rise in labour costs in Japan and by the growing shortage of labour-intensive industries—textile manufacture, for example—have switched to areas where labour overheads are much lower and where there is a vast pool of workers.

Much of this labour-intensive investment has gone to Third World countries, although demands that local government and interest should have substantial stake in foreign enterprises are proving to be something of a brake.

German cities, British regions and American states are all vying for investment by Japanese organizations. Since 1972 it has also been easier for Japanese companies to invest abroad, after relaxation of controls by the Bank of Japan. In the United States, and in Europe particularly, a further stimulus has come from the need to maintain a position in the market place and some firms have found it more advantageous to construct plants closer to the markets previously served by exports from Japan.

A further influence on the move towards direct investment has been the fear of increased protectionism coupled with a willingness to accept investment rather than increased export volumes from Japan. But the Japanese invasion of Europe, which seemed likely at one time, has not been realized although it is clear that competition is increasing.

The EEC area particularly is being viewed carefully by Japanese companies which are being made well aware of the tentative steps towards monetary and political union and eventual total economic and political integration. It is the threat of new tariff walls being erected by a fully integrated Europe that is behind the careful study being attached to the European market which has become so important for Japanese industry.

Although the 1974 fiscal year saw a 31 per cent fall in direct overseas investment by Japanese industry—and this year is expected to follow a similar pattern—Europe will clearly figure in a significant way when Japanese companies plan their foreign spending budgets for the early part of the next decade.

The author is Industrial Correspondent, *The Times*.

East-West collaboration promises benefits for others

by Donald Massie

During the recession, as five-year plan, and by the trade within Western Europe showed signs of slowing its rapid growth of the past few years, an increasing number of companies have been starting to look east. West Germany has been most successful, with an extra push given by détente.

Indeed, trade with Eastern Europe has been the one area of real growth. But long-term interest is likely to involve bringing in Eastern European manufacturers as suppliers of some components in joint ventures.

In the first half of the 1970s East-West trade expanded impressively. Turnover between Eastern Europe and the developed market economy countries increased in real terms by almost 75 per cent between 1973 and 1974.

Last year such trade by individual socialist countries of Eastern Europe increased at rates ranging between 55 per cent in the case of Hungary, and 31 per cent in Czechoslovakia.

A review by the United Nations Conference on Trade and Development (UNCTAD) finds that the expansion of East-West trade in terms of volume during the 1970s has been more regular than that of world trade. This may be partly ascribed to the long-term nature of East-West business arrangements which offer to participants the advantages of significantly increased stability of purchases and sales in an otherwise uncertain economic environment.

The trend in East-West trade last year was marked by an appreciable rise in the participation of the smaller countries or of countries which in the past had had limited involvement in such trade.

The depressing effects on world trade of the recession in the West appear to have restricted the rate of growth of East-West trade in the second half of last year. Moreover, the adverse effects of world price inflation on the balance of payments and the terms of trade of a number of countries in both East and West undoubtedly contributed to the slow-down.

Both of these factors appear likely to have affected trade this year. However, incomplete trade statistics for January-April 1975 appear to indicate that such factors may be offset by the trade-generating effects of the customary drive in Eastern Europe to ensure fulfilment of production targets in the first year of the

five-year plan, and by the emphasis placed in the West on the promotion of exports in order to compensate for slackening domestic demand and to reduce trade balance deficits.

This is not to minimize the potential threat to the continuous growth evolution of East-West trade and economic relations posed by the temptation to adopt restrictive policies in response to difficulties. Such measures could lead to the abandonment of innovations which in the best of circumstances require careful nurturing.

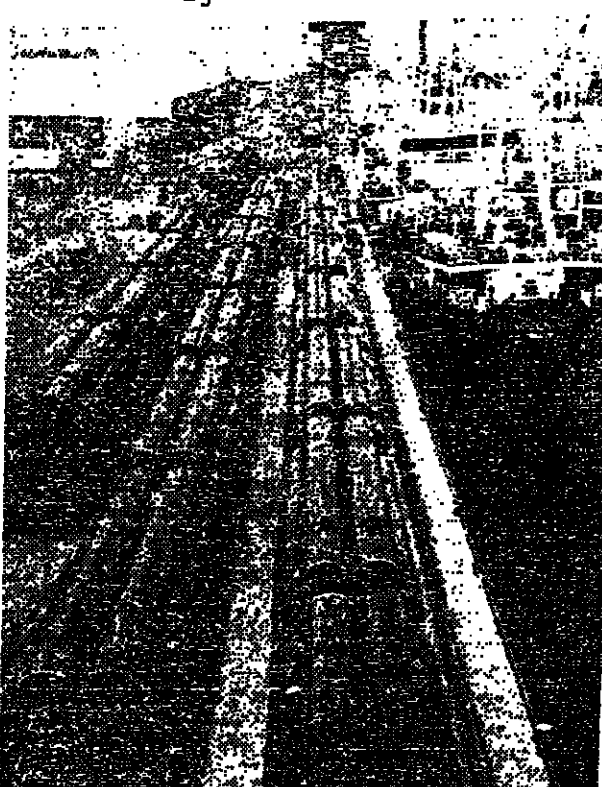
Contrasting sharply with recession in the West, industrial output in Eastern Europe and the Soviet Union may be 7 per cent up for the year. But because of the growing deficit in the communist countries' trade with the West, the United Nations Economic Commission for Europe questions whether the communist countries can sustain the high rate of import growth associated with such an output.

Poland, for example, has been importing huge amounts of western goods and technology in the hope that it could make big sales in the West to start to pay off its debt. But the West's recession has left Poland without a healthy market and with a big trade deficit.

Despite the sale of arms for ready cash, the Soviet Union's deficit with France, West Germany, Italy, the United States and Japan is running at a rate of nearly \$4,000m (about £2,000m). Poor harvests throughout Eastern Europe, too, have necessitated the import of grain from the West and have caused the Soviet Union to buy almost 20 million tons of grain. The Russians are thought to have sold about 130 tons of gold in their endeavour to obtain hard currency.

Coinciding with rising inflation in the West, which raised prices for capital goods imported by Eastern European states, was the sudden increase of 130 per cent in Soviet crude oil prices to member countries of Comecon (the Council for Mutual Economic Assistance, comprising the Soviet Union, East Germany, Poland, Hungary, Romania, Bulgaria, Czechoslovakia, Mongolia and Cuba).

Trade figures show huge increases in the bills Comecon countries are paying to the West. Hungary's bill is up 69.6 per cent, Bulgaria's more than 60 per cent, Poland's 53 per cent, Romania's 47 per cent, and the Soviet Union, Moscow is increasing



Heavy tubes for Russia being loaded at Bremerhaven.

Czechoslovakia's 40 per cent, East Germany's 32.8 per cent. These countries need to import advanced machinery and equipment from the West to modernize their economies.

The Soviet Union supplies most of Eastern Europe's oil and basic raw materials. There were increases, too, in the prices of other Soviet raw materials. Nearly all the smaller members of Comecon saw the prices of their exports from the West rise faster than the prices of their imports from the West. But Poland and the Soviet Union in particular have enjoyed improved terms of trade.

Mr Eric Deakin, Joint Under-Secretary of State, Department of Trade, has said that Britain has a surplus in trading with a number of East European countries largely as a result of their own exports to Britain falling off because of the recession in Britain and other industrial countries.

Mr Deakin said that if the recession ends next year and world trade improves, the exports of East European states to Britain should increase.

Because of the need for greater efficiency brought about by the vasterly increased bills for imports from the West and from the Soviet Union, Moscow is increasing

Foreign trade is likely to increase greatly with Third World countries. The annual growth rate of East-West trade turnover increased from 9 per cent in 1971 to 16 per cent in 1972; in 1973 it rose by a further 37 per cent, and in 1974 by 44 per cent.

The governments of Britain, France and West Germany have taken measures to facilitate East-West trade by raising the level of import quotas and making more goods exempt from licensing requirements.

Fourteen 10-year economic cooperation accords were signed last year; most of these involved EEC countries. An important example this year is the 10-year agreement signed by Britain and the Soviet Union in February.

In addition to setting forth the various organizational forms which cooperative arrangements between institutions in the two countries may take, the agreement lists a number of specific projects which the signatories regard as fruitful objects of cooperation.

There has been a steady increase in the number of contracts with western partners to carry out big projects in Eastern Europe. The Russians, for example, concluded two \$500m agreements: one with an Italian enterprise in petrochemicals and engineering; the second was with a West German consortium for an integrated steel works.

With the lengthening of the maturity period of East-West loans to high years, more the United States Export-Import Bank loaned \$180m (£90m) for a fertilizer plant to be built in the Soviet Union.

The UNCTAD report noted that the significant increase in East-West trade has helped to make the process of détente irreversible. Eucorg, the European Cooperation Research Group, was set up in 1973 to further contacts between Eastern and Western Europe, and to collect information that will help to define the most suitable areas for cooperation.

East European countries, which are running short of oil, are putting new emphasis on coal. A quarter of Poland's coal output is exported to pay not only for the country's increased oil bills but also its soaring deficit in trade with the West where three fifths of its coal exports have been going. An unprecedented eight million ton increase in output of coal by Poland was planned for this year.

Hungary has switched to using coal in hundreds of new installations which were originally going to use oil. Romania has been saving so far by its own resources from the need to import Soviet oil.

East-West trade is still heavily dependent on primary products from the Comecon countries, though the amount of manufactured goods is increasing. The increase in East-West trade since détente has involved a shift to a much larger proportion of trade in chemicals, machinery and equipment and other manufactured goods.

This shift has been most pronounced in western exports to the East, especially in high technology machinery and equipment. Détente has brought an expansion of economic relations, including a greater exchange of services, production technology and managerial know-how, as well as joint research, production, commercial and financial undertakings in the markets of both East and West or the Third World, and even shared investment.

UNCTAD believes that East-West research and development programmes may also generate technology of a more wide-ranging relevance. The application of western technology in Eastern Europe may also yield technical developments which may be of use in meeting the more standardized and less capital-intensive requirements of the developing countries, which may not coincide with the domestic demand in the countries where such technology is generated.

An interesting example of methods for securing the value of deferred repayment, which might be appropriate in the context of the recycling of surplus balance of payments liquidity, is the initial bilateral agreement for cooperation in building a nuclear station in the Soviet Union, to be repaid in electric power supplies in West Germany beginning in the 1980s.

The expansion of East-West trade and economic cooperation is most likely to induce trade-generating effects in the developing countries as production expansion and modernization based on that trade will raise the demand for industrial raw materials and semi-processed goods imported from the developing countries.

By June, 1975, the UNCTAD secretariat had identified more than 80 tripartite trade projects, either using coal in hundreds

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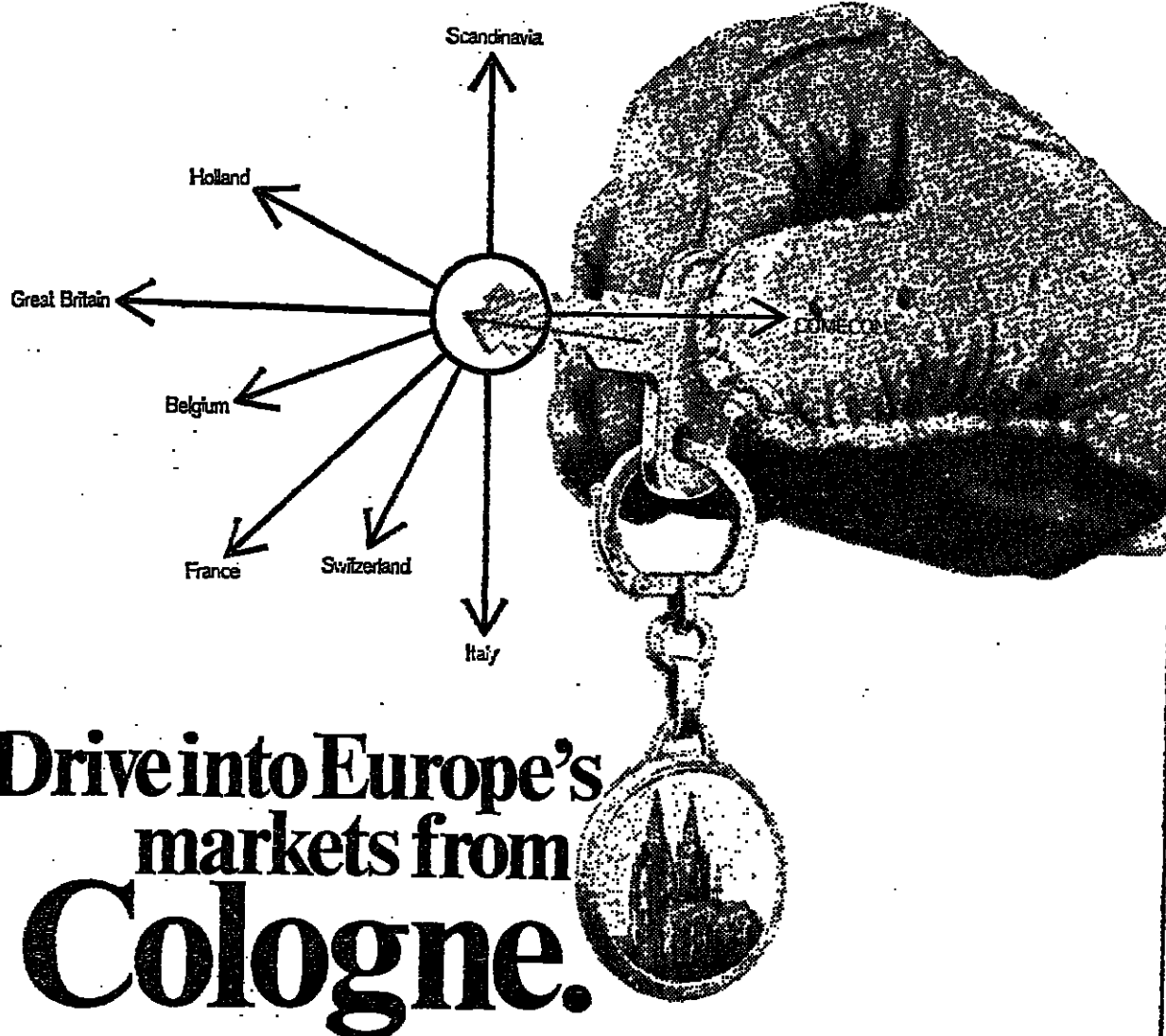
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For further information about this Report, and the 1½ million influential readers of *The Times*, contact C. W. Stapledon at *The Times* on 01-837 1234 extension 7398.



Motors: firms brace themselves for rocky road ahead

by Peter Waymark

Since the oil crisis erupted in the autumn of 1973 motor industry men have been debating whether the slump in car sales which followed was going to be a temporary phenomenon that would pass in a couple of years or whether it would leave deeper scars. Two years afterwards it seems that the forecasts are getting gloomier.

The industry's immediate reaction to the threatened shortage of oil and the prospect of soaring petrol prices was to see it as a short-term difficulty. Once motorists recovered from the first shock, it was argued, they would realize more than before how much they depended on their cars, and the market would soon revive.

The flaw in this argument was that it ignored the more general economic recession, which pushed up unemployment and left those still in work battling with inflation. The motorist was not only paying more for his petrol, new car prices rocketed, so did the cost of servicing and repairs, and so, in turn, did insurance premiums.

Little inclination to give up cars

In face of this onslaught on his pocket the motorist has shown little inclination to give up his car, so on that score the manufacturers were right. On the other hand, he is no longer automatically trading in his vehicle every two or three years and, if he does decide to change, he is more likely than before to buy second-hand.

In June, 1974, Mr Richard Gerstenberg, then chairman of General Motors, optimistically predicted that the car market would be back to its 1973 level in two to three years and then go on to new heights. A year later Signor Umberto Agnelli, the shrewd managing director of Fiat, was less sanguine. "Our expectations are that the market in Europe is going to equal the market of 1973 only in 1979," he said.

There are signs that the worst of the recession may be over, although the pace of recovery will vary from country to country. In West

Germany the increase in car sales seems well established. New vehicle registrations in October were the highest recorded for that month and in the first 10 months of the year 23 per cent more cars were sold than in 1974.

There are encouraging noises, too, from Italy. Fiat reports strong demand at home for its new 131 Mirafiori and the Lancia Beta and a sales revival in important export markets like Germany and Scandinavia.

The company has told the unions that it can guarantee present employment levels throughout 1976 and for the first time in two years it is to take on extra labour. There is no prospect yet, however, of either production or employment returning to pre-crisis levels.

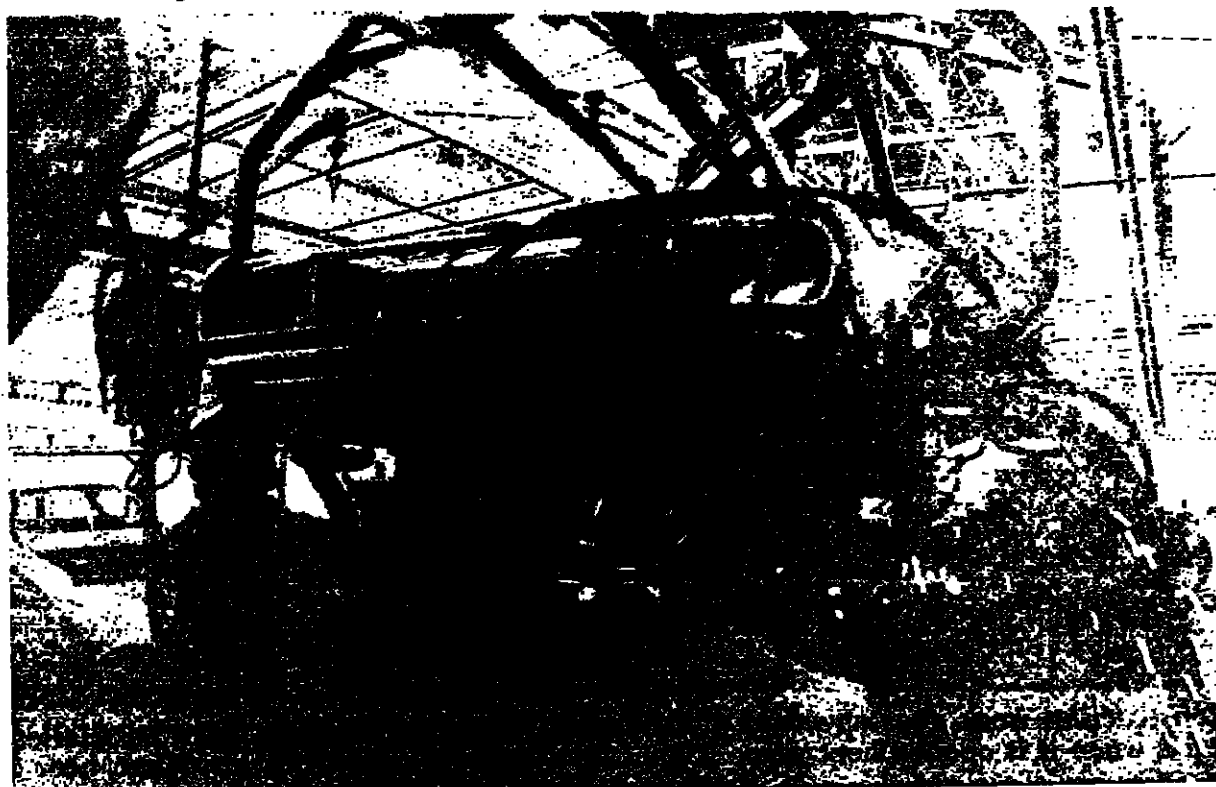
The French recovery has so far been more muted and though sales of new cars have at last started rising, demand is running well below the peak of 1973 and no one is prepared to predict when a sustained improvement will come. In Britain, the car market may not even have reached its lowest point and the industry forecasts that new registrations in 1976 are likely to be lower than this year's.

Against this uncertain future, the industry must arm itself as best it can. A glance into the crystal ball suggests that by the 1980s there will be fewer independent companies making a smaller range of models, more joint ventures across national boundaries and a larger measure of state control.

The next few years will see an intensification of the trend for bigger companies to absorb smaller ones, resulting in a single integrated range of cars. The process is already at work in Fiat-Lancia, Volkswagen-Audi-NSU and Volvo-Daf, while British Leyland has still to complete its rationalization of formerly independent and competing units such as Austin, Morris, Rover and Triumph.

Companies will offer the buyer a smaller choice and ranges will be based on the minimum number of different bodysheells, engines and other main components. British Leyland is trimming its range to only five saloons and three sports cars by the early 1980s while Fiat and Lancia together may present no more than four or five basic cars.

Even competing manufacturers will seek to spread costs by sharing design and development work. A model for this may be the technical



Above: making Alfa Romeos in southern Italy. Right: Opel's car factory in Bochum, Germany.

agreement between Renault and Peugeot by which the companies have pooled research and standardized such parts as radiators, gearboxes and steering units. Cooperation was taken a stage further when Volvo of Sweden joined the French companies in setting up a new factory to build an advanced six-cylinder engine. The company, established by Citroën and NSU to develop the Wankel rotary engine, may have achieved little so far but it is another example of how costly research can be shared.

American companies operating in Europe will be looking to unify their operations still further to get the maximum benefit from producing model lines on a continent-wide scale.

Ford has led the way with every new car since the Escort in 1968 being built to an almost identical design on both sides of the English Channel, and this trend will be even more evident next year when the mini Bobcat goes into simultaneous production in Dagenham, Saarlouis and Valencia.

General Motors has consistently argued the benefits of keeping the identities of its British (Vauxhall) and German (Opel) model ranges separate, while spreading development costs and making greater use of common components. This

the Chevrolet has emerged as a mixture of Vauxhall styling, engine and gearbox and Opel brakes, suspension and steering. The Kadett, Chevrolet in fact, can be said to be the first world car, variations having also appeared in Japan, Australia, Brazil and the United States.

With car manufacturers contributing so vitally to employment and exports, governments will be unable to stand aside if they should face collapse. This year British Leyland joined the growing list of European car companies under whole or partial state control. Chrysler has put its famous pistol to Mr Wilson's head and the French Government has been forced to assist Citroën. Unless companies are in the position of Fiat or Volvo of being able to fall back on other activities to lessen their dependence on cars, there may be several more calls on public funds before the decade is over.

The author is Motoring Correspondent, The Times.

Steel: faint gleam of hope

Towards the end of last month continental steelmakers saw some cause for optimism. This year has been a bad year for steel, the worst possibly since the 1930s, unequaled in the steepness of the decline which took place over a fairly short period, creating many disturbing side effects.

Fortunately for Europe, steelmakers elsewhere in the world have been similarly affected, although the degree of recession varies with the American and the Japanese steel industries labouring to time working, redundancies, lack of orders, and mounting losses are by now a common feature of the steel industry.

The losses being incurred by steelmakers vary, too. Steel Corporation, which accounts for the bulk of British crude steel production, lost £125m in the first six months of this financial year. With losses of £1m being incurred daily, the final loss figure could be £350m or more.

Orders for steel have been running at low levels and generally speaking, orders are down by at least 25 per cent, reflected too in depressed production totals.

Within Europe's economic community there has been growing pressure throughout the year for the Commission to activate measures in the Treaty of Paris—the legal bedrock on which the Community's steel industry operates—to alleviate the crisis in the industry by declaring a state of "manifest crisis".

There is throughout Europe a belief that the second half of next year will see some relief, with demand hardening once more. But any sustained recovery depends on a general improvement in levels of economic activity—with the United States, West German and Japanese economies providing the guide—which would encourage greater confidence and the upward movement in prices which is becoming desperately necessary if some companies are to survive.

What is the basis for the feeling that the upturn may already be on the way? The evidence is sketchy and tentative but late last month figures were published covering the level of orders received for rolled steel products in the six original member countries of the EEC. These showed that in October orders for these products were 17.6 per cent greater than in the previous month and 9.6 per cent

higher than in the corresponding period of last year.

During October steelmakers in the old six-member EEC received orders totalling 6,980,000 tonnes compared with 5,940,000 tonnes in September and 6,370,000 tonnes in October 1974. These were the first increases recorded in more than a year, but the industry while encouraged, remains wary of attaching too much significance to them. There is still no conclusive evidence of an upswing and any real assessment will have to be made on the basis of a three or four-month pattern of ordering.

The prospects, then, for the future of the steel industry in Europe are intimately related to the prospects for general economic activity throughout the world and the common view is that any upturn will not take place until at least the second half of next year, although there may well be difference between countries on the timing and the rate of improvement. But the steel industries of Europe believe that it will be 1977 at least before they are moving back to more economic and profitable levels of capacity use in their plants.

On a country-by-country basis, most believe that next year will mark a turning point. The steel industry in Luxembourg, where crude steel production in the first six months of this year amounted to 425,000 tonnes, monthly compared with 537,000 tonnes last year, expects production to fall off further in the second half. Within the Benelux-Luxembourg Union the steel industries of the two countries estimate that consumption this year will be about 4,200,000 tonnes, rising next year perhaps to 4,700,000 tonnes with new investment in the lowest level for three years.

In the hard-hit French steel industry, much hope for the short-term future is based on the effects of the Government's pump-priming scheme implemented this summer when some 30,000 francs were injected into the economy in an attempt to stimulate investment demand. Steel consumption this year is likely to be about 20,220,000 tonnes, representing a sharp fall on the 25,230,000 tonnes produced last year, while steel industry forecasters have tentatively suggested that production next year might rise to between 24 million and 25 million tonnes.

The Italian steel industry is expecting a 30 per cent drop in steel consumption

this year compared with last, with demand levels affected not only by the poor levels of activity in major consuming industries, but also by the massive reduction in inventory levels. The Italian steel industry expects therefore that consumption this year will be down to about 16,500,000 tonnes rising perhaps to between 19 million and 20 million tonnes next year.

In The Netherlands, too, there is a feeling that consumption will pick up again next year, reflected in forecasts made by the Dutch steel industry recently which indicate that steel consumption this year will fall back to 4,710,000 tonnes, rising perhaps to 5,300,000 tonnes next year.

In Denmark, where a real gnp increase of 4 per cent is expected next year, annual steel consumption in 1976 is expected to rise by about 10 per cent, equivalent to about 1,830,000 tonnes. Although it will be up on the estimate for this year, it will be down on last year's 2 million tonnes.

It is the West German economy which clearly is destined to play a major role in the economic revival which is hoped for among Europe's steel industry. But about 39 per cent of its workforce is on short time and investment levels are likely to fall. Steel companies in West Germany have forecast that steel consumption this year will be about 37,500,000 tonnes.

Outside the EEC, other steel-producing countries are wary between the qualified optimism and downright pessimism for the future. In Sweden steelmakers expect demand to be weak throughout next year with consumption forecast to reach only about 6m tonnes compared with an estimated level of 6,150,000 tonnes this year and 6,260,000 tonnes last year.

Norwegian industrial activity is expected to continue to run at higher levels than in other West European countries because of activity in the offshore oil and gas development sector.

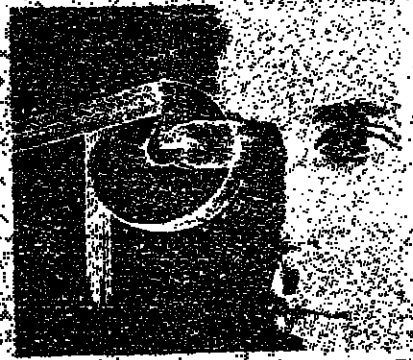
Against the background of falling prices, the Spanish steel industry has been active in seeking to dispose of steel in export markets this year and has encountered problems over dumping of steel in Britain earlier this year.

There is then throughout Europe a feeling that next year will produce firmer markets and prices and if past trends of the steel industry cycle are repeated, 1977 should see a marked improvement in production and consumption.

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Construction: fighting for survival as recession continues to bite

by Cornelius Murphy

Construction is not one of the industries of Europe which will lend itself easily to the concept of international operations within the EEC. Companies necessarily concentrate upon their domestic markets, and think only of developing countries as their main outlets for activities elsewhere.

But there is a tendency for the construction industry throughout Europe to display similar symptoms in each country in the face of the wide economic forces at work. Throughout 1975 the common theme has been survival, but while the recession continues to bite severely, one or two faint streaks of light can be seen.

French builders, for example, are hoping that they have seen the worst. Unemployment rose sharply in mid-year, but a survey by the National Institute of Statistics and Economic Studies predicts a slight fall in the rate of unemployment and short-time working.

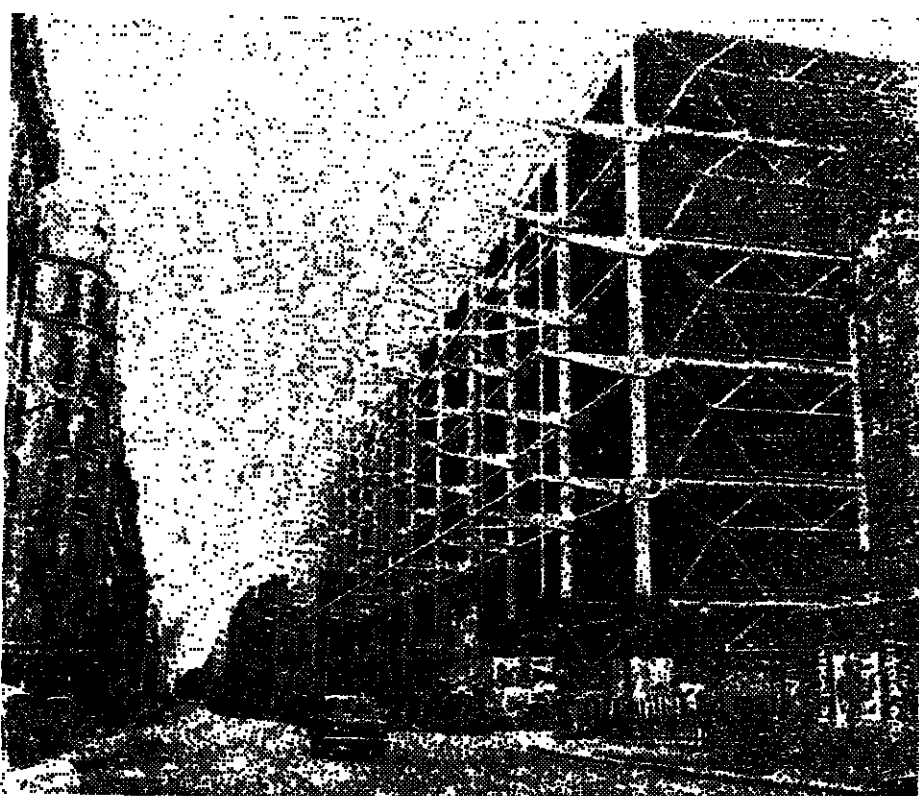
Moreover, the survey shows that the greatly reduced activity in both civil engineering and building has stopped its downward trend and order books are improving slightly. Cash flow has been improved by Treasury moves to obtain more prompt payment—a popular measure among French contractors—and September's inflationary economic package has helped to brighten the mood.

All in all, construction sentiment is less pessimistic than at the beginning of 1975, when most contractors were reporting a significant drop in workload.

Italy, too, is looking for government action, particularly in the public works sector, to counteract the effects of the serious setback of 1974 and this year. Some 45,000 units this year (an increase of 15,000) and next year's completions are expected to be a record total of 45,000 also. The national budget envisages an increase of expenditure in building of 16 per cent to 5,600m kroner.

However, in the first half of 1975 building for offices and shops decreased by 30 per cent, and industrial building fell by 12 per cent, so that Norway could be just beginning to feel the real bite of the economic blizzard.

Sweden, too, has concentrated on maintaining employment by a variety of public sector projects, and unemployment is very low. But the warnings are clear that unemployment must rise next year, as employers can no longer continue to keep on workers at low productivity levels. Many companies lost skilled labour during the last recession, and this has been a partial motivation for "storing" labour, as indeed has been new legislation designed to provide more job security for employees.



Construction work goes ahead on the Georges Pompidou museum, near Les Halles, which will be the biggest cultural centre in Paris when it is opened next year. Right: housing development at Järfället, near Stockholm.



Investment in industry planned for 1976 is down 5 per cent, and in fact building quotas will show a marked upturn. A year ago the building quotas set by the state banks for municipalities, industry and agriculture were reduced to cool an overheated economy. Rates for 1976 were expanded from 750,000 sq metres to a record 904,000 sq metres, and the 1976 figure is 825,000 sq metres.

The Norwegian housing programme is also being stepped up. Starts will reach 45,000 units this year (an increase of 15,000) and next year's completions are expected to be a record total of 45,000 also. The national budget envisages an increase of expenditure in building of 16 per cent to 5,600m kroner.

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However, elsewhere in Europe the construction industries have been grappling with the realities of sheer survival. Housing output, the usual barometer to building output, shows the Belgian industry in a parlous state, running at about two thirds of last year's total. Other indicators of the recession are numerous. The number of apartment blocks built over 13-stories high has decreased this year from 1,600 to just over 800, and there is a feeling that Belgium is at the end of its tower block era.

Brussels' super-abundance of offices will discourage commercial building on any great scale for some time to come. Workshops, factories, clinics, stores are showing a very clear recession. Industrial companies are either stopping or postponing investment in new plant and 1975 as a whole is showing a nil growth rate. Unemployment in the construction industry, at about 18,500, is 10 per cent higher than last year.

Speaking of the economic situation in general, Professor Baudhuin, one of Belgium's outstanding economists, said recently: "Without a regrowth in the construction industry all other measures seem to us to be useless and without doubt will remain ineffective."

In the meantime the National Confederation of the Construction Industry has proffered a package of proposals to improve the situation. These include

lowering the mortgage rate, augmenting subsidies to the construction industry, promoting ways of financing communal works and indulging in a programme of improving houses to a higher standard.

There has been a sharp decline in building output in West Germany since the 1972 peak which followed five to six years of steady growth. Output in the first half of 1975 was down 12 per cent over the same period of 1974 and this pattern was unlikely to change markedly during the second half of the year.

The level of new orders for building construction in the first half of the year was 4 per cent higher than the same period of 1974 and reflected a high level of new orders for industrial and commercial building. Other building sectors were not so buoyant, showing a further decline compared with 1974.

Despite the high level of new orders the volume of building approvals granted in the first half of 1975 suggests that a further decline in building activity is likely. The decline in building approvals occurred in all sectors but was particularly severe in new housing.

Spain, like other European countries, suffered from steep increases in building material prices, but their particular impact there was on builders involved in fixed price contracts as most of them are. Another significant factor is the continued low level of tourism. There has been some slight recovery in hotel building,

but not sufficient to make much of a dent in the industry's high unemployment. Spain's severe recession of 1974 was not alleviated by increasing public works investment from \$1,000m in 1974 to \$1,130m this year, 27,000 houses.

At present there are about 40,000 unemployed in the Dutch building industry, which is about four times the normal total. Plans certainly exist for large-scale

reconstruction schemes in the cities and towns, but in most cases both money and planning permissions are lacking. As usual, the danger is that when finance and permits become available for some of these massive schemes, there will be a shortage of the skilled labour to do the work.

The author is editor, Building.

Engineering: sustained expansion needed

by John Mortimer

The state of health of Europe's engineering industry by 1980 must inevitably depend not only on the rate of recovery out of the present recession facing the western world, but on the economies in such important export areas as South America, the Middle East and Third World territories as well as the extent to which Eastern European countries step up their own trade drives with these areas.

If present pointers are correct and the western world is about to recover from its present economic ills then the next few years are likely to see a gradual expansion so that engineering sectors throughout Europe could face a mini-boom by 1980. But the boom could be so short in duration that it would hardly be noticed.

It could well benefit engineering firms therefore to plan for a period of at least 10 or 15 years of very gradual but sustained expansion. If past experience is any indication recessions are occurring with increasing frequency, while boom periods are shorter. Planning for recessionary situations may be of greater value than planning for a boom. Experience suggests that it is becoming more and more difficult to use short periods of boom to finance the long drawn-out recessions.

During the recession most Western European firms turned their attention to export markets but how well they now perform depends on how successfully they can maintain their new-found export dynamism at the same time as their domestic market recovers. This time round it will be even more difficult to hold on to both home and export markets, especially those export markets in Third World countries and Eastern European firms increasingly are seeking to penetrate new markets with attractive credit facilities.

Without doubt, the petrochemical, heavy engineering, machine tool, steel making, nuclear power and the car industries will be playing an important role in the early 1980s. And governments in every European country will be doing all they can to ensure their development.

With world trade growth predictions hovering between a pessimistic 3 per cent a year to possibly as much as 4 per cent, it is likely that there will be some state-backed restructuring plans

in Britain, France and Italy, and possibly even in Germany. Moves which could be accelerated by unprecedented unemployment figures for the first time for years are once more sharpening the minds of governments as few other pressures could.

Difficulties of recovery will be particularly acute in the steel and petrochemical industries. Europe's steel industry has been hit harder than other industries by the economic recession. This has been made worse by the drop in demand in Japan for steel as the highly geared Japanese steel mills seek markets further afield. Both steel making and petrochemical industries involve huge financing worries which have yet to be resolved.

Both these industries have ample reserves of spare capacity and consequently there is little pressure for plants to be expanded. In the process industries this spare capacity spans edible oils, fertilizer plants and the huge petrochemical plants. Inevitably this means consolidation and retrenchment for some years to come.

Contractors involved in process plant design and construction in the next five years must see an increasing swing towards the Middle East and Third World countries for business. For British firms supplying hardware this swing has mixed blessings. London may well be the centre of the world for project design consultants but increasingly these engineers, who specify the plant and equipment needed for new plants, are turning to European suppliers.

Not only do British suppliers find it hard to meet the fixed price contracts that are laid down but they face allegations from the specifying engineers that their components are outdated alongside those from European suppliers. Hence project engineers' preference for European equipment.

Ironically Third World countries are not able to take advantage of the advanced plant and equipment available because of the high degree of skill needed to maintain and operate it. This state of affairs could provide an excellent opportunity for the present generation of discarded process plants in Europe to be

transplanted and recreated to make way for the next generation of plants in Europe.

The motor industry in Europe is the barometer of industrial activity. Firms predict an uplift in both car and motor business. Even so, the industry forecasts that activity will not reach the level experienced even in 1973 for some years to come.

To keep their production levels up, firms here will be seeking to expand their export markets with Britain as well as the United States a prime target. But hanging over their plans must be the vague possibility that Japanese firms will seek to establish assembly plants in Europe to counter criticism of high imports, backed up by the distinct possibility of other plants to feed Third World markets. For such eventualities the European industry must have more than just contingency plans.

Europe's electrical industry has weathered the storms of the past year reasonably well, in spite of a downturn in domestic appliance business. In the next five years business will pick up and the heavy end is likely to play a key role in meeting the demands of the power generation industry.

Britain's decision to sell her North Sea oil into the European Community could well temper plans to move more and more to nuclear power. Nevertheless, the certainty with which nuclear power will be introduced into Europe by 1985 must herald good prospects for all associated firms, especially those in Britain with the ability to overcome the financial burdens and adopt aggressive marketing policies.

Many of Europe's engineering firms supply the motor industry and there were surprised looks in Germany when it became known that Guest Keen and Nettlefolds, Britain's biggest engineering company, has made a provisional bid to acquire one of the few remaining private European companies still available for sale—the well-known German supplier, Sachs.

This is a clear indication that there is potential available to GKN. For other firms seeking to increase their European base in the 1980s it makes sense to join forces with a European firm. Most

of Britain's larger engineering firms have completed this aspect of their strategy and should be looking forward to reaping some of the rewards.

Not only are such links financially good, bearing in mind the falling value of the pound, but they are a short-term means of repatriating technology to the United Kingdom. Many European countries are showing Britain a clean pair of heels when it comes to applying high technology to production. Nowhere is this more evident than in machine tools where Eastern European countries are coming forward with machines which prove attractive even in Britain, where the machine tool industry is still seeking some clarification of the role it must play in the nation's economy as well as how to survive the cyclic depressions which face it.

Britain will remain the poor relation of Europe through no fault of its engineering industry which forms the bulk of the nation's exports. For there to be any change would require a fundamental alteration in attitudes by government, managers, work people and most of all the unions. The unions must be shown to appreciate that their self-centred conceit works against the interests of the nation. Without such constraint the rest of Europe's engineering industries are likely to progress to the benefit of employee and shareholder alike.

So far Britain's impact on the EEC has been so insignificant as to be of little value. The long sought-after presence of Britain and the influence it could bring has yet to materialize. Britain's under-capitalized engineering industry may appear small match for its counterpart in other countries, nevertheless it does have a contribution to make. The people who work in Britain's industry have some of the best brains available and in research, design and production are able to present a powerful potential source of ideas to the rest of Europe.

But in the next five years the aggression which European engineering firms apply to marketing will be increasingly polished and provide a challenge British firms will find hard to match.

The author is editor, The Engineer.

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Shipbuilding: action sought against price-cutting

by Peter Hill

Before a team of leading Japanese shipbuilders boarded their aircraft from Tokyo to San Francisco this month for crucial talks with their European counterparts, a formal note was handed to the Japanese Government by the EEC Commission by the Japanese representative in the Japanese capital.

The timing of the delivery of the note had been deliberate, given the importance of the talks, and in marked contrast to the development of relations between the Commission and the European shipbuilding industry. For years European industry has been pressing for a coherent community policy and Commission support—without much success.

Throughout this year demands for firm action from Brussels in the face of the most serious decline in demand for tonnage since the 1930s, exacerbated by ruinous price-cutting by the Japanese to secure the few orders that are available, have been gaining volume. Through a complex of organizations representing various countries and groups of countries, Europe's shipbuilders have sought to explain carefully, objectively and coolly the extent of the crisis which could threaten thousands of jobs in the years ahead if it remains unchecked.

After intensive talks between leaders of the Association of West European Shipbuilders in the autumn, the Commission called for detailed evidence of Japanese shipbuilding price dumping practices. Members of the AWES, which includes all the EEC shipbuilding countries with Sweden, Norway, Spain and Finland, were able to provide that information. For months they had been making allegations that Japanese yards, desperate to fill their massive surplus capacity, had been cutting prices to unrealistically low levels, as much as 40 per cent below prices quoted by European yards.

The industry itself, through the AWES and the Council of European Builders of Large Ships, had already had two sessions with the Japanese before the December conference in San Francisco, but little had emerged from the earlier sessions. That the Europeans were able to go into the meetings supported by the EEC's strongly-worded policy statement to the Japanese, represented there

fore a considerable hardening of the European posture and attitude. The main objectives of these discussions have been to secure from the Japanese a commitment to eliminate the practice of dumping prices and at the same time to agree on measures which would lead to a reduction in output.

Throughout the world there is a massive over-supply of shipbuilding capacity and it has been forecast that capacity could safely be cut back by two thirds without any problems in meeting demand.

Developing countries are pressing ahead with new yards when it is clear that there is already a massive surplus. The crisis has been compounded by the repercussions of the 1973 Arab-Israeli war which has led the oil companies and the shipping industry to cancel close on 50 million tons of tanker orders that were on shipbuilders' books little more than a year ago as the world economy began its descent into recession.

There are those who have been worse hit than others. Norwegian yards and the Japanese who had concentrated on the series production of large oil tankers have been badly hit while those shipbuilding industries in Britain and Germany, which have maintained a mixed bag of ship types in their order books, have not been so adversely affected. But while most European yards have sufficient work to carry them through the next 18 months to two years, new orders are needed now and in the next few months if there is to be sufficient work available in the years up to 1980 and beyond for the yards that are at present building ships.

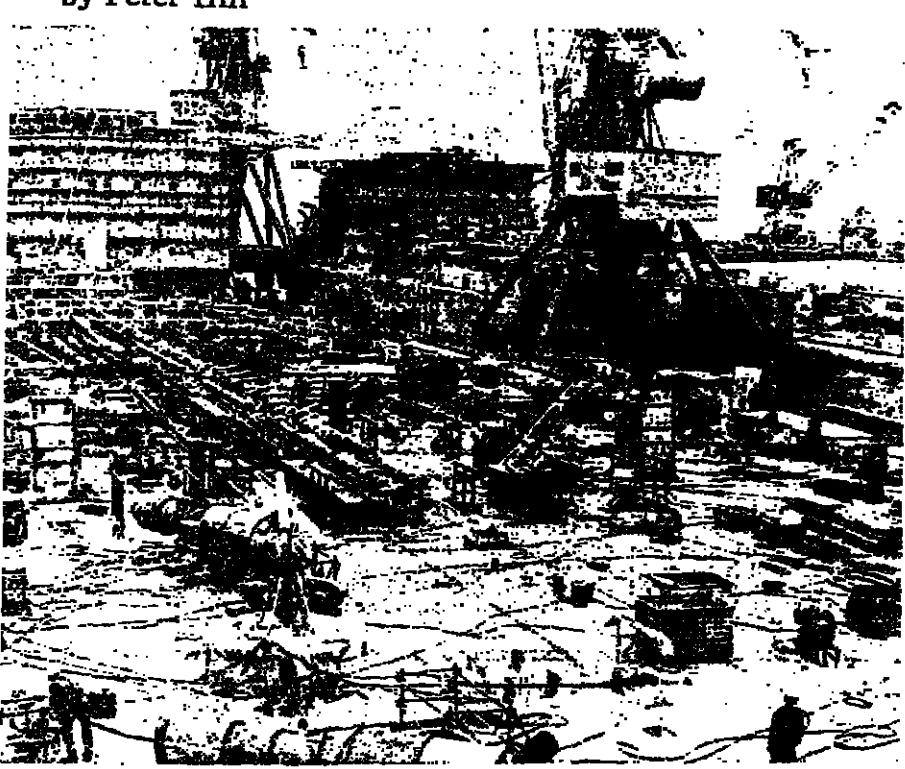
At the end of September this year, the Japanese industry, which builds more than half of the world's new ships, had an order book totalling 37,700,000 tons gross.

The combined order book of the eight EEC countries building ships (the exception being Luxembourg) amounted to 22,200,000 tons gross but with the inclusion of orders held by European countries outside the Community (Finland, Norway, Sweden and Spain) the European order book stood at a level of slightly more than the 37 million tons gross.

There is therefore little to choose in the size of the respective order books between the two shipbuilding blocks, but the Japanese with their higher rates of output clearly pose a threat because of the need for them to secure new work to replace completed orders. But the Japanese yards, which are often part of much larger industrial groups with the ability to work closely with Japanese Government departments, have shown they do not intend to ease their grip on the world market. Some have argued—namely the British—that those who have expanded most should contract accordingly.

It is against this background that the eleventh-hour intervention by the Commission has given heart to the European shipbuilding industry; although no one should be under any illusions of the scale of the problems which lie ahead. There will be painful decisions to be taken and there will have to be a scaling down of shipbuilding capacity—and with it jobs—if the industry is to emerge stronger and more able to withstand the next drop in the market and in a position for the move upwards.

As Mr Per Anker-Nielsen, the Norwegian chairman of



A tanker being built at the Arendal shipyard, Gothenburg.

the AWES observed before leaving for the San Francisco talks: "Yards are approaching the necessary limits for taking contracts; they are approaching the time when contracts have to be signed for yards to stay in business at all."

Much depends on the Commission and on the attitude of member governments. In a directive issued in June, the Council of Ministers declared that a "healthy and competitive shipbuilding industry is necessary for the Community; that it contributes to its economic and social development as it represents a substantial market for a number of sectors including those of advanced technology and also contributes to the maintenance of employment in a certain number of regions of the Community."

No European shipbuilding industry would disagree with such a laudable objective but the crux of the matter is really what the EEC considers to be "healthy and competitive" in terms of size, production and employment. The European shipping fleet, embracing only the EEC member states, accounts for about 23 per cent of the

world merchant fleet while last year EEC yards delivered about a quarter of world shipbuilding output. The industry has the muscle therefore to argue forcefully with the Japanese, muscle which can now be flexed at the call of the Commission.

Clearly major difficulties between member states have to be resolved. The means by which a competitive industry can be created could involve the phased rundown of shipbuilding capacity in some regions of Europe and to any government this would be unpalatable politically. A reversion to protectionist policies seems unlikely given the Community's traditionally liberal approach to world trade.

But there must be a rapprochement between the industries of Europe and then with the Japanese. It is patently clear. Without moves towards the development of a coherent and comprehensive policy for shipbuilding in Europe, the outlook is bleak. The shipping industries of Europe could become almost totally dependent on Japanese shipyards, which would then not be offering to cut European prices by up to 40 per cent.

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Aviation: plan for bigger market share

by Arthur Reed

Important decisions on the future course of the European aircraft industry are expected to be taken shortly with a view to making it more competitive with aerospace in the United States.

At present, although Europe represents 20 per cent of the world market for aircraft purchasing, its aircraft industries enjoy only 8 per cent of that market.

Now the European Communities Commission has drawn up an action programme for the European industry which is to be put forward for endorsement and action to a meeting between EEC heads of government next year.

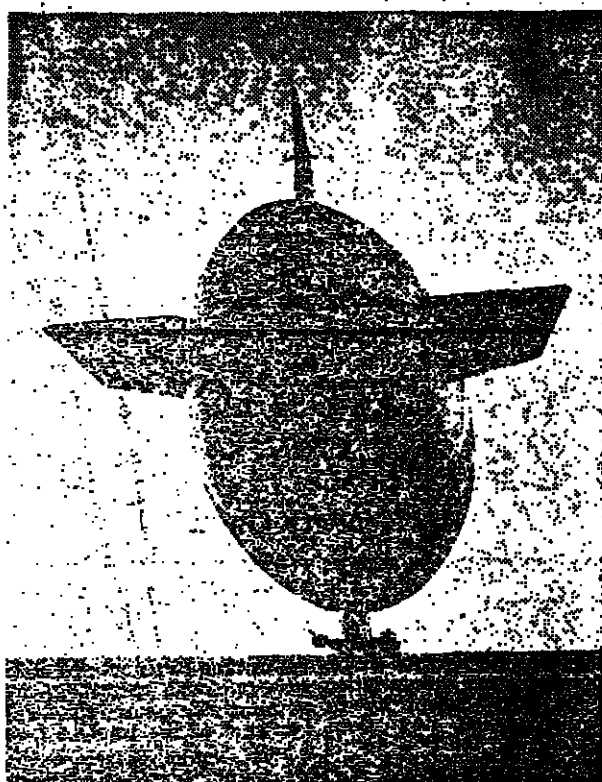
An integrated European industry is strongly supported by the British aircraft industry which, for the past 15 years, has been engaged with France, West Germany, Italy, Holland and other countries on the Continent on a series of joint programmes ranging from Concorde to helicopters, from fighters to an Airbus.

The Society of British Aerospace Companies has recently sent a policy document to its own Government urging it to declare its intention of supporting European aerospace through a policy of partnership between governments, airlines and industry. Considerable effort should be made, the document suggested, to reach an understanding between European aerospace companies that internal competition in military aircraft and missiles was self-defeating—particularly where the provision of defence equipment within Europe was concerned.

But in spite of these worthy sentiments, it may still prove difficult to persuade the various European aircraft companies, and the governments which back them, to embrace with any enthusiasm the principle of collaboration. National pride and prestige is closely wrapped up in aerospace, and there have been in the past many examples of separate countries embarking at the same time on similar aerospace ventures, so reducing the sales market for all.

The cost of national pride in aerospace, however, is becoming more and more difficult to justify in plain money terms, and a consolation for those who are interested in aerospace in Europe is that the nations may be forced into collaborating with each other for economic reasons.

Europe as a whole already has an impressive and extensive family of aircraft, both civil and military, on which an integrated future could be constructed. On the civil side, the family consists of: executive jets, HS 125 (British) and the family,



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Falcon series (French); propeller-driven feeder aircraft, F 27 (Dutch), HS 748 (British), and SD3-30 (British); small short-range twin jets, VFW 614 (Dutch, West German), F 28 (Dutch); medium twin jet, BAC 1-11 (British); Mercure (French); Trident (British); large jets, A 300 Airbus (French, West German, British, Dutch and Spanish); supersonic long-range aircraft, Concorde (British, French).

Military aircraft: jet trainers, Alpha Jet (French, West German) and Hawk (British); tactical strike aircraft, Jaguar (British, French) and Harrier (British); strike and air defence fighter, multi-role combat aircraft (British, West German and Italian); anti-submarine and maritime reconnaissance aircraft, Nimrod (British) and Atlantique (French); helicopters, Lynx, Puma and Goshawk (British, French), Bo 105 (West German).

In addition, the European industries offer a wide range of anti-tank, anti-aircraft, air-to-surface and air-to-air missiles. With the cost of new aerospace programmes becoming almost unbearable, even if shared between several nations, and also difficult to justify against the background of an increasingly vicious international cycle of environmental lobby, the European Communities Commission is wisely basing its action plan on the foundations provided by this more rapid growth of direct

It believes that there is a future market for the following types: development of the F 28 airliner to satisfy demand for an airliner in the 110-seat-and-less category; a twin-jet based on derivatives of either the BAC 1-11, Trident or Mercure (120-180 seats category) and development of the A 300 and B 10 version of the European Airbus; the Rolls-Royce RB211 engines (180-220 seats).

It also sees merit in support for the A 300 B 2 and B 4 versions (250-300 seats) and a study of the possibilities of developing a four-engined version of the A 300—the B 11 version—to satisfy European demand for a long-haul airliner.

The EEC wants to see the establishment of a common policy for civil air transport, in addition to a similar policy for the development, production and marketing of large civil aircraft. The ways in which the Community could finance such a programme should be explored, and a common external policy on industrial collaboration with non-Community countries established.

In the military sector, the European aerospace nations were severely affected recently when the Nato nations preferred to buy the American F16 fighter rather than an aircraft produced in Europe. The EEC is now seeking the establishment of an ad hoc agency concerned with the procurement and development of all airborne weaponry with the tasks of coordinating procurement and standardizing, whenever possible, on existing European projects.

The agency would also identify joint areas for future development, such as an advanced combat aircraft to be designed, developed and manufactured within the Community.

The in-fighting which has gone on between the European nations over military aircraft production and procurement is a subject which has also deeply worried the Society of British Aerospace Companies. It has pointed out the clash between the French *Avion Combat* and the Anglo-German-Italian MRCA, while equipment manufacturers were suffering under the MRCA programme by the developing of new capacity when Europe's capacity already existed.

A joint staff operational requirements organization should be proposed to the British Government to harmonize future European Nato requirements, the SBAC has suggested. France, although not a member of the military side of Nato, is a powerful industrial factor within Europe.

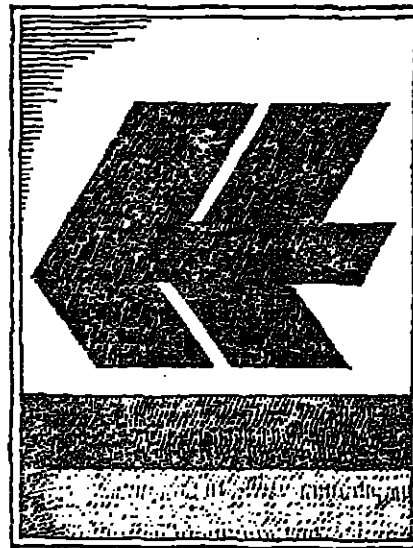
The author is Air Correspondent, The Times.

East-West collaboration

continued from page IV under way or completed, involving the industrial sectors of developing, socialist and western countries. Since the middle of last year 18 bilateral inter-governmental agreements on industrial, scientific and technical cooperation have been signed between Eastern European and western countries. Both sides have also created new specialized institutions to meet the changing requirements of their economic relations with each other. Measures to facilitate important regional and sub-regional projects are likely to be examined as well as methods to stimulate more rapid growth of direct

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Companies at last given prospect of an easy leap across EEC frontiers

by Marcel Berlins

The elimination of national barriers in inter-Community commercial and industrial relations has always been seen as one of the essential elements in the move towards economic unity, as envisaged in the treaty setting up the EEC.

The difficulties caused by differences in the structure of companies and the content of company legislation in the member states have long been obstacles to the abolition of economic frontiers.

The problem is being tackled in two main ways by the organs of the Community. First, there is a programme of company law harmonization, an attempt to bring the principles and procedures governing companies in the Nine as close as possible to each other. Progress, on the whole, has been slow, partly because the philosophies behind the systems in use vary greatly. Recently, however, the EEC

Commission has produced a draft proposal for the harmonization of company law. The project has been under discussion for as long as the Community has been in existence, but it was not until 1970 that an initial proposed draft was published. In May, after five years of discussion by various Community organs and taking into account the views of the six, then nine, member states, the Commission published its final draft proposals for the European company.

The hope, almost certainly over-optimistic, is that it will be approved by the Council of Ministers and as possible to each state. The main advantages of the European company are two-fold. It would facilitate trans-frontier industrial,

commercial and economic co-operation between undertakings in the member states of the Community. It would also enable Community business interests to act as a single, and hence more powerful, unit in its dealings with governments or undertakings outside the EEC.

The European company would, it is hoped, act as a spur to the reconstruction of industry in order to be able to meet the growing demands of a European and foreign market.

It is not designed to supplant or replace national company systems, but to be a possible alternative framework for companies engaged in cross-frontier activities. It will be an additional and separate regime for those who want it, involving a self-contained European company law, having an independent legal existence, providing European dimension to European transactions and arrangements. There will be no comput-

ment limits since the first draft of the statute in 1970. To be eligible to be a European company, a merger or holding company would have to have issued capital of 250,000 units of account (about £100,000), while a subsidiary would need a minimum of 100,000.

The European company will be organized with a two-tier board structure: a board of management, dealing with the routine administration, under the ultimate control of a supervisory board. By far the most striking provisions of the draft statute are those dealing with the participation and influence of the European company's employees in its affairs. This is seen particularly in the composition and powers of the supervisory board.

The number of members of the board will have to be divisible by three. A third would be employees' representatives, a third sharehol-

ders' representatives, and the other third made up of members co-opted by both groups, but representing "general interests".

The last group is intended to be independent of the employees and shareholders, and the voting procedures for the election of its members designed to ensure that they do not owe allegiance to either. The main reason for the existence of the group is to avoid the possibility of deadlock on the supervisory board, which has been experienced by companies where there is equal representation of employees and shareholders.

The supervisory board will be responsible for appointing and dismissing the board of management. There are provisions making it obligatory for the management board to obtain specific authorization from the supervisory board before being able to carry out important decisions such as making major changes in

the company's organization, establishing or ending long-term cooperation with other undertakings, substantially changing the nature of the company's activities, or closing or transferring parts of the company's establishment.

The influence of the workers is not confined to their membership of the supervisory board, which they are not obliged to take up. The European company statute also provides that European works council will have to be formed in every company having establishments in different member states. The works council will be entitled to be informed, or in some cases consulted, about certain decisions which the management board takes.

Where the decision seriously affects the employees directly, particularly on social issues and industrial relations, the works council will have to approve it. It will also have to approve any "social

plan", which European companies will be obliged to draw up when a decision will have social consequences, for example where part of a company faces closure.

Mindful of possible trade union opposition to the influence of the works councils, the draft statute makes the demarcation line between them clear. The councils will not be allowed to play any part in the union's traditional role of negotiating collective agreements on behalf of their members, or usurp any of its normal functions.

Moreover, trade unions and all other employees of the company will be entitled to stand for election to the works councils, and the unions themselves could support particular candidates. The way would be open for the unions to achieve more influence over the company's affairs.

Enthusiasm for the European company is by no means total, either among industrialists or employees' bodies. There are many who feel that a European company would not be able to achieve any more than the existing, admittedly more cumbersome, arrangements can do. There will be no tax advantages in the European company for instance. Tax would still have to be paid according to the laws of the country or countries in which the company is based. There is also fear of the provisions on worker power, which go far beyond most countries' systems allow at present.

The European company's main aim may prove to be psychological, a boost to the concept of the unity of the Community, rather than practical.

The author is Legal Correspondent, The Times.

Food: a pinch of spice helps the profits

by David Young

The difficulties that Britain's manufacturers in the food industry have recently been facing—raw material shortages and soaring costs—coupled with demands for substantial wage awards—have also been encountered by their competitors in Europe.

In France, for instance, price restraints during the last financial year have been even more severe than in the United Kingdom. These restraints were, however, coupled with a firm government resolution to restrain wages, control labour relations and an acceptance that unemployment could be countered only by improvements in output.

The result was that inflation in the French food processing industry was controlled fairly quickly. And although profits suffered, confidence among the manufacturers in what the Government was attempting, plus the certain knowledge that price controls would be eased as soon as possible, meant that the industry has retained much of the confidence that has led it in recent years to develop new products.

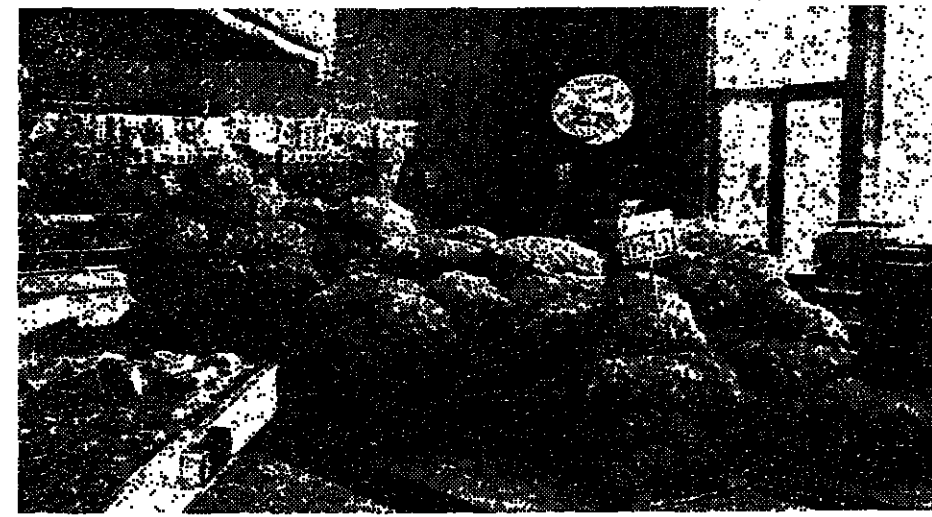
The Cavenham group is probably the best-known food manufacturer in France, with its Générale Alimentaire division taking a 56.4m share of the market in 1974-75. Cavenham's three divisions have an impressive growth record.

One of the divisions is confectionery with sales last year of £25m. Its factories produce long-life cakes, biscuits, pastries, and confectionery products as well as a range of confectionery. As in Britain the dessert market is growing considerably and this division has had a marked success, thanks mainly to considerable marketing effort.

With a steady introduction of new products the confectionery division shows every sign of maintaining a steady growth rate in the coming year and overcoming the problems created by sugar shortages and price increases.

The gourmet nature of French cooking provides the manufacturers in this sector with a large stable market, but nevertheless it is one area where food manufacturing techniques are being used to their utmost in the quest for increased market penetration and sales.

Here vigorous marketing has helped Cavenham to



Bargain bags of potatoes on offer at a supermarket in Valence. France has imposed severe price restraints this year.

launch successfully a range of mature vinegars with a 7 per cent alcohol content and curry and spice flavoured tomato ketchups. As for the future of this market sector, close manufacturing controls are now enabling the manufacturers to look forward to a period of profitable growth.

Perhaps the greatest growth area in food manufacturing is in luxury products. This has been demonstrated in Britain, where Birds Eye have had a runaway success with its range of frozen cakes, although there are many in the industry who

share the view that it will be basic items, such as baking products, which will show real growth in the next year.

In France this trend to luxury food products is beginning to take off, but this sector is still dominated by sales of traditional luxuries such as pâté de foie gras and smoked salmon.

By comparison with France and Britain the German food manufacturers are going about their business calmly, and this is reflected by the increase of German produce now becoming avail-

able in other European markets. In Germany the processing of fresh produce, as opposed to food manufacturing, is still the largest part of the market and indications are that this will continue to expand as will the luxury end of the market. Spain is regarded by the food manufacturing industry as the place in Europe with most potential for development and expansion. The industry in Spain, while hardly in its infancy, has not been developing new products at the same pace as its European competitors, but there is an acknowledged wealth of management talent available there and Spanish banks have made known their willingness to become partners in food processing businesses.

Fruit-based products, such as fruit juice concentrates, tomato pastes and tomato products, form a large part of the Spanish industry's output and for the time being Spain will be well placed to take advantage of the recent shortages in other countries of such products as tomato and fig pastes.

The Benelux countries also have a thriving food processing industry, geared to meet strong home demand as well as exporting a wide range of dairy-based products, including Dutch cheese—among the EEC's best sellers in the food market—and other luxury foodstuffs. Belgium has been affected by stringent price controls, but on the whole manufacturers are optimistic that sales will continue the steady upward movement of the past 12 months.

Holland intensive marketing and heavy promotional budgets have had to be used in recent months to enable companies to retain market shares in a period of very strong competition. The Dutch industry has had a depressing effect on profits, but there are now signs that sales are settling and once again showing steady increases.

Demand relies heavily on its food processing industry for export earnings and in spite of the recent large increases in animal foodstuffs its industry has retained its market share and is continuing to find new markets for its products.

The countries in Europe where sales have diverged from the broader European pattern are Sweden and Austria. Sweden has benefited from its ability to withstand inflationary pressures better than most other countries, and its food manufacturers have continued steadily to develop new products. Potato-based products have been launched by Swedish firms and alongside their traditional product ranges, frozen and canned convenience foods and pickled products, these new products are taking an encouraging share of the market.

Austria's food manufacturers, on the other hand, have been badly affected by the recession in their neighbours and main customers have suffered. The Austrian food industry has been traditionally strong at the luxury end of the market and the reduction in the annual tourist trade has harmed this side of the industry; having to rely on a small home market for expensively developed products has created problems for the industry. The problems, the industry says, are not insurmountable, but there is little sign of a large increase in output in the coming year.

Petrochemicals: days of high growth rates pass into memory

by Peter Hill

Towards the end of last month three of Europe's largest chemical groups, ICI, Bayer and BASF, produced their results for the third quarter of the year. They were disappointing and were a further reflection on the recession which has hit industry throughout Europe and which has been felt particularly in the chemicals sector.

ICI reported a 44 per cent fall in profits in the third quarter of the year compared with the corresponding period of 1974, although the company was cautiously optimistic that the bottom may have been reached at last. The two West German companies followed a similar pattern. This year Bayer is forecasting a 10 per cent fall in the group's worldwide sales while BASF has forecast that its sales levels this year will be 15 per cent lower than in 1974.

Senior executives of Bayer said that the company would have to adapt itself to a changing prospect for chemical industry growth and where annual growth rates had been at least 7 per cent, for the future the company might have to be satisfied with between only 2 and 3 per cent.

Big difficulties for industry

This poses big difficulties for the chemical industry, which traditionally has grown at roughly twice the rate of the rest of manufacturing industry output.

Between 1963 and 1972, for example, the output of the Dutch and West German chemical industries grew at an average rate of 13.5 per cent and 10.5 per cent, compared with average annual growth of manufacturing industry in those countries of 7 and 5.5 per cent respectively.

In Europe the petrochemical industry is an enormously important industry. It is an industry whose many products provide the wherewithal for the existence of other industries, and the employment of millions. In Western Europe, chemicals account for about 14 per cent of all industrial activity and that is equivalent to the whole of the textiles and car and lorry industry together.

It is therefore of key importance to the European economy as a whole, and to the economies of individual countries. But its growth is largely dependent on the overall health of the economy and in Europe the industry's health has been such that it has been doubling itself every eight years.

In the immediate aftermath of the oil embargoes in the autumn of 1973 the industry was faced with some difficulties, not least the increased price of crude oil, but demand was sustained and lasted through until the final quarter of last year. Since then, however, demand has eased off considerably while costs have risen steadily and the major chemical groups have been unable to raise prices sufficiently to meet the increased costs. But rather than cutting prices in an attempt to stimulate offshore levels, companies have instead either reduced plant production levels or have closed capacity completely.

Since the middle of 1974 the output of the European chemical industry has fallen by about 18 per cent and with profits down by about 50 per cent, the chemical industry is hoping for signs of improvement. But leading American companies such as IBM and Honeywell, the IBM companies in France, Germany, Italy and the United Kingdom together make up the sort of European computer organization of the kind—except for its ownership—that the Commission in Brussels would like to see. IBM has a long history of involvement in Europe, and what Unidata had attempted shared manufacturing coupled with national marketing.

In May, after a history of substantial loss-making by CIT in France, details were announced of a significant project involving the French national computer company. A merger had been arranged between CIT and Honeywell Bull, which is owned 66 per cent by Honeywell Information Systems of the United States and 34 per cent by Compagnie Machines Bull.

French interests were to hold a 53 per cent stake in the merged company, to be known as CIT-Honeywell Bull, with Unidata holding the remaining 47 per cent. Financial support for the first four years' operations would be forthcoming from the French Government, and CIT's microcomputer, power and defence business (and its Toulouse plant) would be excluded from the deal.

Much controversy surrounded this plan for a French-American hybrid, but agreement was finally reached in Paris last month.

With CIT out of the Unidata alliance, it was not long before Philips decided to cut losses and withdraw also. This has left Siemens as the object of much attention from computer companies in the United States and Japan which see mutual advantage in a collaborative agreement.

According to estimates published by the Commission, the European Community data-processing market will rise from about £3,300m in 1974 to about £6,100m in 1979. Elements of this

figures in the industry believe that the industry's ability to match the high growth rates of the fifties and sixties will not be repeated in the second half of this decade.

Factory behind the industry's dismal fortunes this year include large fluctuations in stock levels held by its customers; depression in major customer industries such as the construction and motor manufacturing industries; and rising costs. The combination of these and other factors has led to severe depression in the petrochemicals, fibres and plastics sectors of the industry.

Constraint on investment

The conditions which have been experienced this year are already acting as a constraint on the industry's ability to invest at its traditionally high level to cope with the revival in demand and maintained upward trend in the next few years.

Measured at 1974 prices, it has been estimated that the European chemical industry would have to raise between \$40,000m to \$50,000m to support new investment and working capital requirements over the next 10 years.

It has been estimated that gross naphtha feedstock requirements for the production of olefins, aromatics and miscellaneous petrochemicals in the EEC area may increase from 58,500,000 tons two years ago to 92,800,000 tons in 1978.

Naphtha is the basic raw material from which the basic petrochemicals required for further processing by a whole range of other industries are produced.

But these forecasts, made earlier this year, may be in line with the adverse trading conditions which have been experienced by the chemical companies this year. In the signs of the recovery in activity within Europe are realized next year, then chemical industry growth should be at least 5 per cent and may rise as high as 7 per cent.

But in the medium term—and this in effect means to the end of this decade—chemical industry growth will not match the high rates of the past. Slower growth is expected in several Community countries which will have a depressing effect on chemical industry production.

Also some sectors of the industry which have expanded at a high rate in the past may find conditions more difficult. But while a slowing in chemical industry growth is confidently forecast, its output will still increase at a faster rate than that of most other European industries and therefore further expansion is justified.

Mr John Townsend, president of the International Federation of Chemical Industry Associations, observed recently that the industry had to look to 1978 and beyond when thinking about new capacity. New plans were being planned and sanctioned against the background of rather delayed growth and of considerable administrative and financial difficulties.

"We shall continue to see the European chemical industry growing more rapidly than European industry generally, but I would expect, on average, the difference in their rates of expansion to be a little less than it was."

At different ends of the spectrum, large computer mainframe companies and software houses are now busy acquiring microcircuit expert knowledge, particularly in the all-important new world of what is called large-scale integration or LSI.

In bidding for specific European contracts if not in more permanent arrangements, computer companies in different countries are already collaborating in major computer projects as in other projects, bodies such as the European Space Agency insist on international bids.

Britain's main computer company, ICL (in which the Government has a 10 per cent stake), is now mounting a major marketing attack on continental Europe. Its latest small computer, the Model 2903, has sold particularly well there.

But on the question of mergers or associations with continental companies—or, indeed, with American companies—ICL's policy is that any deal must make both technical and commercial sense. And, apart from a joint peripherals company (with two United States companies), no such proposal has made sense yet.

The author is Technology Correspondent, The Times.

Computers: search for a challenger to United States giant

by Kenneth Owen

"The European data-processing industry must not permit victory to go to the IBM giant simply by default," a recent European Commission report began.

"The main objective of Community policy must be to promote and encourage the formation of at least one major European-based group which is both economically viable and capable of maintaining a balanced relationship with partners in the United States or Japan."

The continuing European endeavour to establish a viable indigenous computer industry suffered a major blow earlier this year, with the collapse of the French-Dutch-German Unidata consortium.

Philips of The Netherlands, Siemens of West Germany and Compagnie Machines Bull of France had come together to market a joint range of computer equipment. Each of the three was maintaining its own manufacturing operations, but the intention was to work towards a more fully integrated business.

Managed on troika principle

Managed on the troika principle rather than under strong central direction, Unidata found the market difficult. Europe and the world is dominated by the large United States corporations and, in particular, by International Business Machines. Unlike Britain's International Computers Ltd (ICL), Unidata had chosen to market computer equipment which was directly compatible with that of IBM.

The other European-based companies include in 1974 to about £6,100m national subsidiaries off-1979. Elements of this

market represented by software, peripherals, minicomputers and microcomputers will each increase as a percentage of the total, but mainframe computers and systems will continue to account for more than 50 per cent of the total.

"It would therefore be premature for the European data-processing industry to concede defeat," the Commission comments. The challenge of IBM remains daunting and is now assuming a new form as this corporation moves rapidly towards providing customers with total information systems.

Community policy must reflect the fact that the data-processing industry is moving towards the era of distributed computing, the Commission argues.

Development of technology

This change is characterized by the explosive development of component technology; more rapid growth in the market for minicomputers, terminals, peripherals and communications equipment; and an increasingly close link between telecommunications and computing.

"It is therefore not acceptable to users, nor is it in the public interest," that a single company should dominate and control not only the traditional world of central processors but also the new world of distributed computing. At least some part of this key industry must be under European control.

As part of these moves aimed at strengthening the European industry, changes in the structure of the computer industry generally are emerging as a result of changing technology. In particular, the author is Technology Correspondent, The Times.

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Kicking the population habit

Sybille Bedford, author, contributes this week's column in our International Women's Year series

Yes, we are being told about the growing nightmare. Eighty million people added to the world population (of whom two thirds already do not get enough to eat) in 1974; more this year, more the next... Yes, it is appalling, but surely it doesn't affect us? In the United Kingdom the growth rate is only 0.9 per cent. That can't be too bad. Well, compared to Asia and Latin America, no. But in fact England and Wales are already among the most crowded areas of the world, third only to Taiwan and Bangladesh; and Britain, unless we do something about it, will have another 3,000,000 human beings to house, feed, educate, transport and keep relatively sane by the year 2000. We are told the figures. Are we helped to realize what is at stake?

We have only got to look at the way in which we are already condemned to live, to look at our high streets, our roads, the waiting-rooms in hospitals and surgeries, high-rise blocks, at airports and railway stations. What will it be like in ten years, in thirty? How will the milling crowds cope with themselves and with each other? Men and women need the sense of being of individual account, of having some control over their lives. Yet there is the inevitable relation between a high population and a loss of freedom—the more numerous we become, the more we have to be administered (for sheer survival). Anonymity, helplessness, frustration lead to alienation and aggression, to attempts at finding identity and relief through drugs, musical orgies, adherence to extreme causes or political creeds and through acts of



Snowdon

violence. Quantity is the enemy of quality. Surely, the over-running of this earth by the human species is a key factor in our present universal plight. What to do about this horrible numerosity? In Britain we are doing something. The pill is free, we have clinics and advice centres, active voluntary bodies; about a third of the eight million women capable of getting pregnant are using some reliable method of contraception. There are the millions who do not. What has happened is that birth control as an individual right has been accepted (at least largely) in this country. Population control as a social necessity has not. It is not even being seriously advocated. My point is that it should be, and that

we need a sense of urgency about it. Now how many people polled in the street would name over-population as a major concern? The accepted view is still that anyone, fit or unfit, married, unmarried, wretched, happy, delinquent, law abiding, feckless, wise, in work or out, may produce as many future human beings (babies tending to become that) as they like. Neighbours approve such parents as conforming and unselfish. Unlimited childbirth, deliberate or haphazard, is one of the few things left for which no one needs a licence. A natural right? What is a natural human right? The right to life and limb? We accept conscription for men to go to war. However that may be, legislation,

whether to limit families or test satisfactory parenthood, is unthinkable to present feeling. No government would touch it.

The only thing that would work is a change in social attitudes and habits. And this might be brought about, as were so many reforms and changes in this country, by the efforts of dedicated and courageous individuals and organizations. Educators, doctors, nurses, magistrates, MPs, churchmen (quis custodiet custodes? with so many still believing that the world can afford the luxury of contesting abortion)... The media, above all television, could help immensely. Is it beyond the wit of man and social conscience to find ways of making people realize that to have fewer children is now necessary, constructive and unselfish? There are many who would really choose to have no more than two, and there are those who temperamentally would prefer to remain childless if they were not often made to feel pitiable or odd.

Is the aim of reversing the present population trend so very Utopian? Beginning at home, it would not need a big swing to lower an annual growth rate of 0.9 per cent first to 0 per cent, that is a stable population, then lower it to a minus rate until we get to a desirable level. (One way a brave government might help would be through cash incentives—tax rebates favouring small families and childless people. Singapore has introduced such taxation measures; the first country to do so, and it will be interesting to watch the results.)

Leading by example, doing more than one's bit in husbanding the world's resources—might not that be the new role for Britain?—paving our own way towards a less hellish future than now seems to lie ahead of all of us? It will take time. Many of us will not live to see the fruits, but people young now would begin to, and for their children—a calmer, less crowded, more manageable world, more peaceful, less hungry, risks and pressures eased, more pleasant to live in. Give a year for Britain? What about every woman and man, of relevant age, having very long and careful thoughts before beginning that new child?

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A place in childhood history

In January, 1962, a pale green pamphlet arrived on my desk. "Growing Point" said the cover. "Margery Fisher's regular review of books for the growing families of the English reading world: Volume 0 No 0"; and on the first page Mrs Fisher announced her intention to produce a magazine in the form of this prototype. The magazine would appear nine times a year and would seek to judge children's books as literature, an endeavour for which Mrs Fisher had proved herself admirably fitted with the publication a year earlier of *Intert Upon Reading* (Brockhampton Press), her "critical appraisal of modern fiction for children".

In due course—following payment of a subscription of 21 shillings—Volume 1 No 1 turned up. Its 16 pages contained reviews of 61 books and three periodicals, and featured one Special Review, one Old Favourite and nine Reminders; a retrospective glance at some books about Troy. From that time on—with a regularity disrupted only by the Post Office—*Growing Point* has made its nine appearances a year. The most recent arrival, Vol 14 No 5, follows the style of the first number closely, even down to reviewing almost the same number of books, and, as with every previous issue, the writing, editing and production have been carried out by Mrs Fisher more or less single-handed from her home at Ashton Manor, Northampton.

The amazing feature of this performance is not so much the managing of the magazine (whose price has only just edged up to £2 per annum), nor even the stamina which Mrs Fisher shows in reading and reviewing between five and six hundred children's books a year. It is rather the continuing freshness of her writing and

the consistency and good-humoured tolerance of her judgments. Along with that other great reviewer, Naomi Lewis, she is the standing answer to the librarian Janet Hill's by no means unjustified claim that adults who read too many children's books are liable to softening of the brain.

Together with *Intert Upon Reading*, which, in its second edition of 1964, remains the most readable and stimulating guide to its subject, Mrs Fisher has produced a group of writings which add a less fugitive account of children's literature to the pioneering endeavours of *Growing Point*. Her book *Matters of Fact* (Brockhampton) is the only intelligent study ever published on non-fiction for children. Her *Society Head* monographs on John Massfield and Henry Treece are detailed accounts of the work of two writers for whom she clearly holds a strong affection. Her *Introductions* to such books as Margery Williams Bianco's *Poor Cecco* and R. H. Horne's *Memoirs of a London Doll* (both André Deutsch) bring to perfection the persuasive advocacy of vanished excellence which characterizes her discussion of Old Favourites in *Growing Point*.

Now, to this impressive body of work, Mrs Fisher has added her most ambitious idiosyncratic volume yet. It is a weighty quarto called *Who's Who in Children's Books* (Weidenfeld, £6.95)—an ambitious title, defined as "a treasury of the familiar characters of childhood".

Organized with academic rigour, the *Who's Who* might well have proved a dry and disciplined aid for the less-well-read composer of crossword puzzles, but in Margery Fisher's hands it has become an altogether more original and informal document. While attempting to include "as many as possible of the characters who have become household names" she has chosen from among the multitudes of those remaining a number who interest her particularly and whose role in their stories provides fruitful matter for discussion.

Such a compromise between criticism and lexicography is naturally beset with dangers. At a mechanical level, the indexing methods are not tight enough to cope

with the author's variety of approaches. At a factual level there are errors of data (*Jessica's Last Prayer*; *The Magic Pudding* misdated by 15 years, etc) and errors of emphasis (Keeping's experimental pictures were surely "heralded" by *Sham* and not *Alfie*; Ruskin's *King* was scarcely mid-Victorian when it was written in 1841, etc). And at a parlous-game level there are the questions of "who's in, who's out". (Personally I find it difficult to reconcile three entries devoted to one book by E. B. White with two entries for the whole of Rosemary Sutcliffe's oeuvre.) Worst of all perhaps is the shocking treatment of the book's illustrations, which have been changed from their original sizes without notification (and frequently coarsened in the process), which bear many inaccurate captions, and which are granted no index references—faults which may well be laid at the door of the book's "designers" who these days seem to be obligatory to any publication.

Against such a catalogue of woes however there must be set Margery Fisher's genius for exposition. As with so much of her previous work, the *Who's Who* is always readable and frequently illuminating, for, by focusing on the nature of fictional character she is able to bring her hundreds of entries into a creative relationship with each other. You may start reading the *Who's Who* anywhere you like, and you may read in any direction, but before long Margery Fisher will have captured you with her fresh and often entertaining re-assessments. Best of all, she will drive you frenziedly to the nearest bookshelf or book emporium to seek out her chosen writers' works for yourself.

Brian Alderson

Miss Naomi Lewis, mentioned in the above article, has prepared an exhibition of *Fantasy Books for Children*, on show at the National Book League from now until January 10. In her extensively annotated catalogue, available from the NBL at 55b, Miss Lewis makes many judgments which compare interestingly with observations by Margery Fisher in the *Who's Who*.

Art in a child's eyes

Next year's National Exhibition of Children's Art, the kids' equivalent of the Royal Academy Summer Show, is expected to attract a record 50,000 entries. The closing date is April 17, 1976, when the enormous task of the seven member advisory committee under the chairmanship of Sir Norman Reid, director of the Tate Gallery, begins. After they have sifted through all the entries, the best offerings will then go on show, touring the country, from October, 1976.

Among the members of the advisory committee is Mr Frank Tuckett, now retired as an art lecturer. He has been involved with the annual exhibition—now in its 29th year—virtually since its inception.

Mr Tuckett does not believe that there has been any significant change in children's approach to art during that period. If given the freedom to express them-

selves, and not forced into a narrow stereotype by their art teachers, they will reflect the society around them, and do so with imagination and panache, Mr Tuckett says.

Boys, he finds, are susceptible to the influence of the media, and of comics more than girls. The subject matter of a large proportion of boys' work still tend towards the "manly" topics—bloody battles, and scenes of heroism and derring-do. The only difference between today and a quarter century ago is that their work is based more on the television heroes than on the history books.

Girls, less influenced by the external entertainment stimuli, are still interested in depicting scenes of weddings, and marital and parental bliss. It is easy, Mr Tuckett says, to pick out those entries which have been overly influenced by the children's teachers. They represent, not the child's own imagination, but an attempt to please the teacher. "Year after year we used to get scores of pictures of bulls running amok in a street. We know that these were all suggested as a topic by the same lady teacher".

One difference between when Mr Tuckett first became involved with child-

ren's art and today is that much more work is done with the new tools which have only recently become available, such as coloured felt-tipped pens.

The competition is open to children up to the age of 17. There are four divisions—seven years and under, eight to 11, 12 to 14 and 15 to 17. Paintings and drawings in any medium are eligible for the exhibition as well as wood cuts, linocuts, cut paper and collage. But copies of other pictures and posters, photographs and cartoons are not eligible.

The top prize is a £400 art training award, given for painting or sculpture. In addition, there is a school art award of £100 which will go to the school submitting the best group of pictures or a single group work, by at least five different pupils, and a school craft award also of £100 for the best group of craft exhibits. There are also a number of minor awards.

All entries have to be submitted to: Kellong's National Exhibition of Children's Art, Trafford Park, Autopoint, Ashburton Road East, Trafford Park, Manchester, M17.

Marcel Berlins

This city and its peninsula are of such beauty, it is worthy to carry the name of my wife, Thessaloniki.

Cassander 'King of the Macedonians' 316 BC



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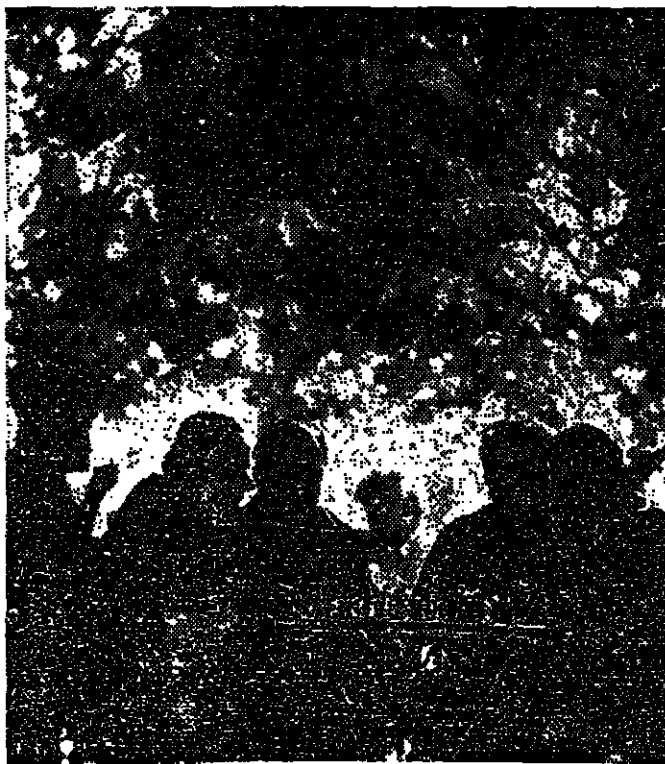
But his death marked the sunset to the long day of classical Greece, and Thessaloniki itself, though largely modern and comfort-filled, amazingly still bears witness to 2,000 years of successive conquests.

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For information on the incredible choice available, just write to: The National Tourist Organisation of Greece, 195-7 Regent Street, London W1. Or call 01-734 5997/8/9. Or ask your travel agent.

And if you decide to begin in Macedonia-Greece and its peninsula, then you will surely discover that Cassander must have married a most beautiful woman.



With this dedication, Cassander paid a lasting tribute to a city that was to grow to near-Athenian stature, and to a peninsula that boasts the most beautiful landscape in all the Hellenic world.

A sun-worshipper's paradise called Halkidiki, this peninsula holds spectacular contrasts within its three 'fingers' that stretch deep into the Aegean.

Kassandra is already graced with tourist complexes and luxury hotels.

Sithonia harbours colourful fishing villages, camping sites and mile after mile of enchantingly unspoilt, even deserted, coves.

While Mount Athos reveals, alas for male eyes only, the intimate, medieval atmosphere of some twenty monasteries.

But Halkidiki is just a part of Macedonia-Greece, truly an explorer's haven.

To the east lie the ruins of famous

Greece and the Hellenic Isles.

They're closer than you think.

BELLS

SCOTCH WHISKY

ring b
162.5m

[illegible]

THE TIMES

BUSINESS NEWS

Findings of
Think Tank
report on car
industry p19

Clearing banks partner Government £162.5m rescue for Chrysler

rice Corina
ward Townsend
eight days after the
Corporation of
withdrew a threat to
its United Kingdom
because of £80m of
losses, the Govern-
ment help from clearing
banks to risk up to £162.5m
in funds in backing a
rescue package.

Department of Industry
Treasury are invoking
the Industrial Act,
to provide a mixture of
s against future losses
in loan, and banking
for new medium
term.

return, the parent
organization has made
ration of intent on its
to further British
manufacturing, accept-
ing new financial liabilities
to £162.5m.

controversial deal
to fly in the face of
the Policy Review
report on the future of
industry.

Government also dis-
satisfied in had consid-
ered a complete
merger with British
also helped under-
stand the nationalized and
der the agency of the
National Enterprise
Board.

Government has
against taking a
shareholding (which
Chrysler), the
ing of the rescue
will apparently be
by the Department of
y, advised by two gov-
nominates to Chrysler
yard.

aning agreement is a
in of the financial aid,
understood that the NEB,
ble for the central Bri-
tish, is opposed to mak-
major role in supervi-
sion.

City backed Finance For-
cy organization is not
clearing banks partner Government
£162.5m rescue for Chrysler

participating in the funding
operation, having consistently
refused Chrysler UK the £55m
it needed in new capital earlier
this year.

Instead, the London and
Scottish clearing banks will be
providing the £55m medium-
term loan under Treasury
guarantee, counter guaranteed
by the American parent com-
pany.

Their agreement is "in prin-
ciple" and meetings are now
being arranged to settle
how the loan, expected to
be for maturity of seven years,
with interest payable at a mer-
gim over interbank rates, will
be shared out, probably on the
basis of their individual bal-
ance sheet.

Precise terms are not
fixed, but it seems likely that
the rate will be comparable, or
slightly better, than the rates
they might charge their "Blue
chip" customers.

One suggestion last night
was that the margin might be
2 1/2 to 3 points over interbank
rate (1 1/2 to 1 3/4 per cent at
yesterday's rates of interest).

While this is good business
for the banks, given the Treas-
ury guarantee, industry is
likely to view this help to
Chrysler UK with some in-
terest. The Confederation of
British Industry described the
whole aid package as "wrong",
and expected a lively reaction
when company members meet
later today.

The use of the Industrial Act
to subsidize losses up to 1979
has angered businessmen, who
have noted that the £72.5m
commitment by the Govern-
ment for this is being sup-
ported by a general investment
loan of £55m.

They are particularly sceptical
as trade union cooperation
was not sought or pledged in
advance before such money
was committed.

Behind the ambitious plans
for new cars and fundamental
changes in factory strategy is
the central requirement to cut
costs.

CHRYSLER PACKAGE
Government commitment
Loss subsidy:
1976 £10m plus a maximum
of £10m.
1977 £10m maximum
1978 £7.5m maximum
1979 £5m maximum
Total: £72.5m
Treasury guaranteed clearing
bank loan: £55m.
Total potential Government
commitment: £162.5m.
Chrysler Corporation
undertakings:
Loss subsidy: £32.5m.
Guarantee on general invest-
ment loan: £38m.
Additional special investment
money: £10-£15m plus
additional £25m conditional
upon performance.
Counter-guarantee on clearing
bank loan: £55m.

The 35,000-strong labour force
by 3,000.

About 3,000 immediate
redundancies are required at
Linwood, Renfrewshire,
because the Imp and later the
Humber will be phased out. The
smaller work force will make a
facelifted Avenger and per-
haps a new car later.

At Ryton, and other Midland
installations, something like
2,500 redundancies are
required, with about 3,000 to
follow. Some natural wastage
is expected to hold the dismis-
sals at 8,000.

The new French-made
Alpine car is to be assembled
at the slimmed-down Ryton
next year from Simca kits,
requiring Chrysler to put in
£10m to £15m for the neces-
sary tooling.

If this is successful, another
capital programme costing
£23m is promised, with the aim
of building up the United
Kingdom content of the Alpine
towards an all-British model at
some vague date.

To encourage the unions, the
carrot of other new cars and
modernization and investment in
new models which will help it
grow and prosper in the United
Kingdom and specifically, to pro-
vide continued employment at
Chrysler's principal plants at
Ryton, Stoke, Luton, Dunsable
and Linwood.

4. That CUK will move forward
quickly, starting in 1976, to in-
troduce new models.

(1) A new improved Avenger to
be produced late next summer.
(2) The Chrysler CE car to be
assembled within the UK in
1976.

(3) A new small conventional
drive car to be introduced in
1977.

(4) A new van/truck to be in-
troduced in 1978.

new trucks and vans is being
dangled for 1977 to 1979. This
promise is written into
Chrysler's Declaration of In-
tent.

This declaration follows the
various undertakings given by
Chrysler over the period 1964
to 1972, when it first bought
into the original Rootes Motors
and later took full control.
The threat to withdraw from
British operations was
rescued by the Government as
a branch of the original un-
dertakings, given under both
Labour and Conservative Gov-
ernments in various official
letters and public statements.

The Government has
obtained assurances that
Chrysler UK is placed "in all
respects" on a par with other
subsidiaries throughout the
world.

While the declaration does
not contain any specific pledge
to raise exports, it is felt
closer integration with
Chrysler's world network will
have this effect.

The vital train contract con-
tinues to be met from the
Stoke plant at Coventry; but,
the CPR study points out,
this export business will de-
cline in importance as Iranian
local manufacture builds up
over the next six years.

A rescue of Chrysler comes
only 24 hours before repre-
sentatives of Japanese car makers
are due to meet their British
counterparts to discuss their
policies. They have overtaken
Chrysler this year in market
share.

The CPRPS report is
not government policy, minis-
ters have yet to reply to
the Commons Expenditure
Committee's motor industry
report, which was scathing
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UK's overcapacity and
Financial Editor, page 19

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Pickaback cargo barge scheme is abandoned

A Danish shipping company
yesterday blamed dockers at
the Humber ports for forcing
it to cease its United
Kingdom operations. The com-
pany, Borge Abnord Catamaran
Ltd, introduced an entire
new pickaback cargo barge
transport system to Britain
18 months ago.

Barges loaded at inland water-
ways and canal wharves were
towed to Hull and loaded into
a catamaran mother ship for
18 months ago.

The threat to withdraw from
British operations was
rescued by the Government as
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Burton Group lifts gloom despite drop in operating profits

By Ronald Pullen
Stock markets responded
favourably yesterday to the
full-year results from Burton
Group, the clothing retailers
and property company, with the
"A" non-voting shares gaining
5p to 50p.

The shares have been un-
easy for many weeks after the
criticism directed at the com-
pany's reaction was more a
sign of relief that the results
were not worse than they were,
rather than any expression of
confidence.

Menwear retailers have been
the centre of a controversial
attempt by the stockbrokers
J & A Scrimgeour to ginger up
the major institutional share-
holders in the company to press
for management changes in the
face of the disappointing record
since Mr Ludovic Rice had
taken over the helm.

Scrimgeour highlighted the
group's unsuccessful diversifi-
cation record and its failure to
move quickly enough from the
made-to-measure to ready-to-
wear suit market.

The attempt was unsuccess-
ful, though the institutions have
subsequently been brought into
closer contact with Burton's
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Anti-trust ruling cuts EEC sugar fines

From David Cross
Luxembourg, Dec 16
A last part of the European
Economic Community's anti-
trust case against the largest
continental sugar producers col-
lapsed today when the European
Court of Justice annulled the
annulled record fines on the
16 companies involved.

In an historic ruling in
Luxembourg the court blamed
the absence of free competition
among the companies making
the way in which the Com-
munity's sugar market had been
organized by member states.

The EEC sugar market left
only a residual field for com-
petition and the conduct of the
sugar companies could not be
assessed with the usual severity
reserved for breaches of the
Community's strict anti-trust
rules, the court maintained.

This was the basis for the
appeal by the 16 French, West
German, Italian, Dutch and Bel-
gian companies against fines
totalling nine million units of
account (about £4.5m). The
court has reduced these to a
total of a mere £800,000 or so.

During the appeal proceed-
ings, which took nearly three
years to complete, the com-
panies maintained that the EEC
sugar market with its systems
of import quotas and prices and
its special national provisions
for Italy, had eliminated com-
petition in advance.

In a decision handed down
in January, 1973, the Commis-
sion

Journal of Management Education 30(6)

MARKET REPORTS

Right and change
and change
and change

The dollar closed 15 points firmer on the foreign exchange market yesterday, at \$2.0185, Britain's major trading partner's effective devaluation narrowed to 1.5 per cent, and the market was quiet throughout, including a general lack of interest in the year-end.

The improvement reflected a easing of the dollar's strength, although the market may have shown some of the spelling out of the government's rescue plan for the dollar.

The dollar's strength was reflected in the fact that the dollar's value had risen 75 cents in the year-end, and the dollar's value had risen 75 cents in the year-end, and the dollar's value had risen 75 cents in the year-end.

Spot Position of Sterling

Month	Rate
Jan 76	2.0185
Feb 76	2.0185
Mar 76	2.0185
Apr 76	2.0185
May 76	2.0185
Jun 76	2.0185
Jul 76	2.0185
Aug 76	2.0185
Sep 76	2.0185
Oct 76	2.0185
Nov 76	2.0185
Dec 76	2.0185

Forward Levels

Month	Rate
Jan 76	2.0185
Feb 76	2.0185
Mar 76	2.0185
Apr 76	2.0185
May 76	2.0185
Jun 76	2.0185
Jul 76	2.0185
Aug 76	2.0185
Sep 76	2.0185
Oct 76	2.0185
Nov 76	2.0185
Dec 76	2.0185

Gold

Month	Rate
Jan 76	2.0185
Feb 76	2.0185
Mar 76	2.0185
Apr 76	2.0185
May 76	2.0185
Jun 76	2.0185
Jul 76	2.0185
Aug 76	2.0185
Sep 76	2.0185
Oct 76	2.0185
Nov 76	2.0185
Dec 76	2.0185

Discount market

The supply of fresh credit facilities foundered on Monday, as the Bank of England's performance, when late balances were paid up in the region of 100 to 11 per cent during the early part of the day, to ensure that they were well placed.

In the event, it seems that one or two houses may have gone a little beyond their needs, and rates at the close came off to finish with a band of 8 to 10 per cent.

As usual on a Tuesday, there was a substantial flow of money from the Exchequer, and the excess of these discounts over tax receipts comfortably took care of the adverse influences, which included a small settlement for official gift sales.

Money Market Rates

Month	Rate
Jan 76	2.0185
Feb 76	2.0185
Mar 76	2.0185
Apr 76	2.0185
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Commodities

COPPER was steady, with a slight upward bias, as the market awaited the outcome of the election. The price of copper rose 10 pence to 100 pence per lb. The price of tin rose 10 pence to 100 pence per lb. The price of lead rose 10 pence to 100 pence per lb. The price of zinc rose 10 pence to 100 pence per lb. The price of nickel rose 10 pence to 100 pence per lb. The price of cobalt rose 10 pence to 100 pence per lb. The price of manganese rose 10 pence to 100 pence per lb. The price of iron rose 10 pence to 100 pence per lb.

Personal Secretary

£2,910-£3,234 (inclusive of London Weighting)

quire an experienced Secretary as a Senior of persons to provide secretarial assistance to the Assistant Directors of this large department of staff, dealing with a wide range of services for the elderly, handicapped and mentally disordered persons.

speeds, administrative abilities and a capacity to work well under pressure. You would be based in a friendly and enthusiastic staff in a field of great importance.

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are ambitious, a self-starter and can use your initiative, we can offer you a challenging environment to work in. In addition to high salary we offer exchange visit, profit sharing, luncheon vouchers, a new philosophy of management.

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SECRETARY

OVERSEAS EXHIBITIONS SERVICES LIMITED

TEMPORARY ASSISTANT TO PROJECT DIRECTOR

BRITISH WATERWAYS BOARD

PERSONAL SECRETARY TO THE SOLICITOR

SENIOR SECRETARY

GOOD BYE GIRLS

FLAT SHARING

SITUATIONS WANTED

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Require an Experienced MANAGERESS

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This is a responsible position for which experience is essential. It carries an excellent salary and prospects, and is an interesting job in most pleasant surroundings.

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Candidates must be capable of working on their own initiative, be able to deal with a wide range of people, and have a good knowledge of the petroleum industry.

The appointment is based in attractive offices in Central London, with a view to the future. A pension scheme, medical insurance, and a car are provided.

Please send your resume (including current salary) to: Mr. D. C. Payne, Secretary General, WORLD PETROLEUM CONGRESSES, 61 NEW CAVENISH ST., LONDON, W.1.

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With usual secretarial skills, plenty of initiative and administrative ability.

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This is an opportunity for a Senior Secretary/P.A. and 26 others to become involved in international purchasing and personnel recruitment. Flexible approach, willingness to deal with all office activities ranging from tea-making (1) to literally running the office on her own. Short-hand/typing plus a knowledge of French useful.

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£2,750 p.a.

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